

ANSYS, INC. NDQ-ANSS										RECENT PRICE	P/E RATIO		(Trailing: 40.1 Median: 26.0)		RELATIVE P/E RATIO	DIV'D YLD	Nil	VALUE LINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TIMELINESS 1 Raised 11/18/19										High	Low	43.9	53.6	62.3	74.4	89.7	87.1	98.4	99.0	155.1	190.5	260.1	299.1	200.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

SMITH (A.O.) NYSE-AOS				RECENT PRICE	P/E RATIO	18.2 (Trailing: 17.3 Median: 21.0)	RELATIVE P/E RATIO	1.38	DIV YLD	2.5%	VALUE LINE								
TIMELINESS	3	Raised 4/10/20	High Low	7 6 11 5 11 2 7 5	16.0 10 1	27.6 15 5	28.6 22 1	40.6 25 0	51.5 30 2	63.7 46 4	68.4 40 3	56.7 40 4	48.6 33 8	Target Price Range 2023 2024 2025					
SAFETY	3	New 7/27/90	16.0 x "Cash Flow" p sh	3.5 6.8										128					
TECHNICAL	4	Lowered 3/20/20	Relative Price Strength											96					
BETA	1.20	(1.00 = Market)	3-for-2 split 11/10											80					
18-Month Target Price Range				2-for-1 split 5/13										64					
Low-High Midpoint (% to Mid)				2-for-1 split 10/16										48					
\$31-\$62 \$47 (20%)				Options: Yes										40					
2023-25 PROJECTIONS				Shaded area indicates recession										32					
Price Gain Return														24					
High Low 85 (+120%) 23% 55 (+40%) 11%														16					
Institutional Decisions														12					
202019 302019 402019																			
to Buy 235 208 224																			
to Sell 267 244 210																			
Hld's 126292 130406 132755																			
Percent shares traded 30 20 10																			
© VALUE LINE PUBL. LLC 23-25																			
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Sales per sh	23.20
9.21	9.30	11.62	11.84	11.80	10.24	8.14	9.27	10.49	11.80	13.18	14.42	15.49	17.46	18.96	18.43	18.80	19.75	"Cash Flow" per sh	3.85
50	62	74	80	79	77	65	86	108	138	157	197	226	261	310	276	2.75	3.05	Earnings per sh A	3.30
20	31	41	48	49	57	43	60	78	103	122	158	185	217	261	222	2.20	2.50	Div's Decl'd per sh B	1.44
10	11	11	12	12	13	14	15	18	23	30	38	48	56	76	90	.98	1.08	Cap'l Spending per sh	.65
27	28	37	37	34	29	29	38	54	48	41	47	55	51	40	.50	.50	Book Value per sh C	16.15	
3.29	3.37	3.68	3.88	3.28	4.06	4.82	5.89	6.46	7.28	7.73	8.20	8.74	9.60	10.21	10.27	10.45	11.65	Common Shs Outst'g D	155.00
179.48	181.69	196.02	195.30	195.30	194.44	182.97	184.48	184.88	182.48	178.80	175.90	173.44	171.66	168.16	162.37	158.00	157.00	Avg Ann'l P/E Ratio	20.0
24.6	16.1	17.2	14.1	11.9	10.1	20.3	16.6	16.4	20.2	20.3	21.6	23.0	25.4	22.2	21.8	22.2	21.8	Relative P/E Ratio	1.10
1.30	.86	.93	.75	.72	.67	1.29	1.04	1.04	1.13	1.07	1.09	1.21	1.28	1.20	1.18	1.04	1.18	Avg Ann'l Div'd Yield	2.3%
2.1%	2.2%	1.6%	1.7%	2.1%	2.2%	1.6%	1.5%	1.4%	1.1%	1.2%	1.1%	1.1%	1.0%	1.3%	1.9%	1.3%	1.9%		
CAPITAL STRUCTURE as of 12/31/19																			

<p>(A) Excludes nonrecurring gains/(losses) '04, \$0 '03, '05, (\$0 '13), '08, (\$0 '11), '14, (\$0 '14), '18 Q1, (\$0 '03) Also excludes disc. operations' '05, (\$0 '06), '10, (\$0 '60), '11, '10 '14, '12, '20 '22</p>	<p>Next earnings report due in late April. (B) Dividends historically paid in mid-February, May, August &amp; November ■ Dividend reinvestment plan available.</p>	<p>(C) Includes intangible assets. In 2019: \$884.4 mil, \$5.45/sh (D) In millions, adjusted for stock splits</p>	<p><b>Company's Financial Strength</b> B++ <b>Stock's Price Stability</b> 75 <b>Price Growth Persistence</b> 85 <b>Earnings Predictability</b> 85</p>
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BECTON, D'SON. NYSE-BDX										RECENT PRICE	255.27	P/E RATIO	22.7	(Trailing: 21.9 Median: 18.0)	RELATIVE P/E RATIO	1.37	DIV'D YLD	1.3%	VALUE LINE	Target Price Range		
TIMELINESS	3	Lowered 2/14/20	High	Low	80.0	85.5	89.8	80.6	110.9	142.6	157.5	181.8	229.7	265.9	275.5	286.7				2023	2024	2025
SAFETY	1	Raised 3/4/05	LEGENDS																			
TECHNICAL	3	Raised 5/15/20	13.0 x "Cash Flow" p sh																			
BETA	80	(1.00 = Market)	Options Yes																			
			Shaded area indicates recession																			
18-Month Target Price Range																						
Low-High Midpoint (% to Mid)																						
\$202-\$361 \$282 (10%)																						
2023-25 PROJECTIONS																						
Ann'l Total																						
Price Gain Return																						
High Low 390 320 (+55%) (+25%) 12% 7%																						
Institutional Decisions																						
202019 302019 402019																						
to Buy 609 605 647																						
to Sell 588 569 578																						
Hld's(000) 228350 229647 230521																						
Percent shares traded																						
18 12 6																						
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																						
19 79 21 86 23 79 26 08 29 44 30 20 32 08 36 44 39 15 41 52 43 99 48 80 58 53 53 05 59 59 63 94 60 70 63 15																						
4 13 4 60 5 08 5 82 6 60 7 13 7 34 8 27 8 30 8 78 9 37 11 25 13 99 13 56 17 48 19 58 19 65 20 65																						
2 56 2 88 3 28 3 84 4 46 4 95 4 94 5 62 5 36 5 81 6 25 7 16 8 59 9 48 11 01 11 68 11 05 12 75																						
60 72 86 98 114 132 148 164 180 198 218 240 264 292 300 308 316 324																						
1 07 1 28 1 87 2 28 2 68 2 96 2 75 2 82 2 81 3 03 3 40 2 83 3 25 3 19 3 34 3 54 3 40 3 15																						
12 18 13 26 15 63 17 89 20 30 21 69 23 65 22 48 21 00 26 00 26 32 34 00 35 79 56 80 78 26 77 95 78 55 80 70																						
249 33 247 68 245 47 243 84 243 08 237 08 229 82 214 82 196 91 194 00 191 98 210 70 213 29 227 94 268 22 270 43 280 00 285 00																						
18 0 19 3 18 8 19 5 19 0 13 7 14 9 14 5 14 1 15 6 18 1 19 5 18 4 20 8 20 8																						
95 1 03 1 02 1 04 1 14 91 95 91 90 88 95 98 97 98 1 12 1 14																						
1 3% 1 3% 1 4% 1 3% 1 3% 1 9% 2 0% 2 0% 2 4% 2 2% 1 9% 1 7% 1 7% 1 6% 1 3% 1 3%																						
CAPITAL STRUCTURE as of 12/31/19																						
Total Debt \$19405 mill Due in 5 Yrs 12809 mill																						
LT Debt \$16949 mill LT Interest 475 mill (44% of Capital)																						
Leases, Uncapitalized Annual rentals \$122 mill																						
Pension Assets-9/19 \$2926 mill																						
Oblig. \$3731 mill																						
Pfd Stock \$2400 mill Pfd Div'd \$150 0 mill																						
Common Stock 271,173,148 shares																						
MARKET CAP. \$69.2 billion (Large Cap)																						
CURRENT POSITION																						
2018 2019 12/31/19																						
(SMILL.)																						
Cash Assets 1157 566 568																						
Receivables 2319 2345 2074																						
Inventory (FIFO) 2451 2579 2760																						
Other 1484 1174 1036																						
Current Assets 7411 6664 6438																						
Accts Payable 1106 1092 1100																						
Debt Due 2801 1309 2456																						
Other 3509 3254 3170																						
Current Liab. 7216 5655 6726																						
ANNUAL RATES																						
Past Past Est'd '17-'19																						
of change (per sh) 10 Yrs. 5 Yrs. to '23-'25																						
Sales 7 7% 7 0% 4 0%																						
"Cash Flow" 10 10% 14 0% 8 0%																						
Earnings 9 5% 13 0% 9 0%																						
Dividends 10 10% 8 5% 5 0%																						
Book Value 13 5% 24 0% 3 5%																						
Fiscal Year Ends																						
QUARTERLY SALES (\$ mill.) A																						
Dec.31 Mar.31 Jun.30 Sep.30 Full Fiscal Year																						
2017 2923 2969 3035 3166 12093																						
2018 3081 4222 4278 4402 15983																						
2019 4161 4195 4350 4584 17290																						
2020 4225 4200 4000 4575 17000																						
2021 4300 4400 4550 4750 18000																						
Fiscal Year Ends																						
EARNINGS PER SHARE AB																						
Dec.31 Mar.31 Jun.30 Sep.30 Full Fiscal Year																						
2017 2.33 2.30 2.46 2.39 9.48																						
2018 2.48 2.65 2.91 2.93 11.01																						
2019 2.70 2.59 3.08 3.31 11.68																						
2020 2.65 2.45 2.30 3.65 11.05																						
2021 2.85 2.95 3.20 3.75 12.75																						
Cal-endar																						
QUARTERLY DIVIDENDS PAID C																						
Mar.31 Jun.30 Sep.30 Dec.31 Full Year																						
2016 66 66 66 73 2.71																						
2017 73 73 73 75 2.94																						
2018 75 75 75 77 3.02																						
2019 77 77 77 79 3.10																						
2020 79																						
BUSINESS: Becton, Dickinson & Co. operates in three segments																						
Medical (52% of FY'19 sales) manufactures medical devices which include Diabetes Care, Medication Management Solutions, and Medication Delivery; Life Sciences (25%) includes Diagnostic and Preanalytical Systems, Interventional (23%) includes Peripheral Intervention and Urology and Critical Care '19 R&D. \$1062 mill,																						
61% of sales Acquired CareFusion 3/15, C.R. Bard 12/17																						
Employs about 70,000. Officers & dir. own less than 1 0% of stock, T. Rowe Price, 12.9%, Vanguard Group, 8.6%, Blackrock, 7.9%; (12/19 proxy) CEO and President, Thomas E. Pohlen, Inc. New Jersey Address One Becton Drive, Franklin Lakes, NJ 07417 Telephone 201-847-6800. Internet www.bd.com																						
Shares of Becton, Dickinson (BD) have been on a roller coaster ride since our last full-page review in February. The stock price began to sink in February on worries that defects with its recalled Alaris infusion pump would take longer to rectify than initially thought. Then, the shares slumped even further, owing to the broader market downfall caused by the COVID-19 outbreak. The stock has since rebounded somewhat, but has still slipped roughly 6% in value for the year.																						
We have cut our near-term outlook. While most healthcare facilities around the globe are focused on the coronavirus pandemic, a large number of other medical procedures have been put on hold. Indeed, many hospitals outside of COVID-19 hot spots have had to furlough staff due to lack of patients. This trend will certainly have an impact on BD's business in the short term. On the plus side, BD has been front and center in helping develop coronavirus testing solutions. One example is a molecular diagnostic test that uses the BD Max platform and is able to return results in two to three hours. Nonetheless,																						
we expect the overall slowdown in procedures will cause weak demand for a number of BD's wide array of products. With that in mind, we have chopped \$650 million and \$0.95 per share off of our respective fiscal 2020 (ends September 30th) top- and bottom-line estimates. We should gain more color on how the company is faring when it reports fiscal second-quarter figures shortly after press time. In fiscal 2021, we expect BD will return to solid growth, assuming normal healthcare operations resume throughout the globe.																						
The company's finances are in good shape. Cash flow should be sufficient enough to pay down debt as well as fund capital spending and maintain consistent dividend hikes.																						
These shares are best suited for conservative accounts. The stock is ranked to mirror the broader market averages in the year ahead. Too, capital appreciation potential out to 2023-2025 is subpar. Nonetheless, this issue remains attractive for investors looking for a safe haven that also provides some income during these uncertain times.																						
Kevin P. O'Sullivan May 15, 2020																						







BLACK KNIGHT, INC. NYSE-BKI				RECENT PRICE	58.95	P/E RATIO	29.6	(Trailing: 29.8 Median: NMF)	RELATIVE P/E RATIO	2.24	DIV'D YLD	NIL	VALUE LINE
TIMELINESS 1	Raised 3/6/20					High	38 8	42 2	47 6	56 4	64 8	76 4	
SAFETY 3	New 10/14/16					Low	26 1	25 2	34 0	42 3	43 9	50 0	
TECHNICAL 1	Raised 4/10/20												
BETA 95	(1.00 = Market)												
18-Month Target Price Range													
Low-High Midpoint (% to Mid)													
\$49-\$73 \$61 (5%)													
2023-25 PROJECTIONS													
Price Gain Ann'l Total													
High 110 (+85%) 17%													
Low 70 (+20%) 5%													
Institutional Decisions													
202019 3Q2019 4Q2019													
to Buy 177 170 208													
to Sell 149 153 168													
Hld's(000) 133551 135142 141169													
Percent shares traded 15 10 5													
Black Knight, Inc. completed its initial public offering on May, 26, 2015 with 20,700,000 Class 'A' shares being sold to the public at \$24.50 per share. The lead underwriters were J.P. Morgan, BofA Merrill Lynch and Wells Fargo. In September 2017, 84 million Class 'B' shares were distributed by Fidelity National Financial													
CAPITAL STRUCTURE as of 12/31/19													
Total Debt \$1544.2 mill Due in 5 Yrs \$1554.2 mill													
LT Debt \$1465.1 mill, LT Interest \$60.2 mill													
(Total interest coverage 4.6x)													
(44% of Cap'l)													
Leases, Uncapitalized Annual rentals \$11.1 mill													
No Defined Benefit Pension Plan													
Pfd Stock None													
Common Stock 150,011,817 shs as of 2/27/20													
MARKET CAP: \$8.8 billion (Large Cap)													
CURRENT POSITION 2017 2018 12/31/19													
(\$MILL.)													
Cash Assets 16.2 20.3 15.4													
Receivables 201.8 172.3 175.1													
Other 62.7 73.5 65.0													
Current Assets 280.7 266.1 255.5													
Accts Payable 65.0 67.8 65.3													
Debt Due 55.1 52.5 79.1													
Other 111.5 118.7 116.4													
Current Liab 231.6 239.0 260.8													
ANNUAL RATES Past Past Est'd '17-'19													
of change (per sh) 10 Yrs 5 Yrs to '23-'25													
Revenues -- -- 6.0%													
"Cash Flow" -- -- 8.5%													
Earnings -- -- 9.5%													
Dividends -- -- Nil													
Book Value -- -- 6.5%													
Cal- QUARTERLY REVENUES (\$mill.) Full													
endar Mar.31 Jun.30 Sep.30 Dec.31 Year													
2017 258.1 262.2 263.8 267.5 1051.6													
2018 270.3 276.6 281.7 285.4 1114.0													
2019 283.1 294.9 299.1 300.1 1177.2													
2020 285 295 305 315 1200													
2021 300 310 320 330 1260													
Cal- EARNINGS PER SHARE A Full													
endar Mar.31 Jun.30 Sep.30 Dec.31 Year													
2017 30 35 .36 37 1.38													
2018 43 46 48 50 1.87													
2019 44 49 51 54 1.99													
2020 .45 .50 .50 .55 2.00													
2021 .47 .52 .57 .59 2.15													
Cal- QUARTERLY DIVIDENDS PAID Full													
endar Mar.31 Jun.30 Sep.30 Dec.31 Year													
2016 NO CASH DIVIDENDS BEING PAID													
2017													
2018													
2019													
2020													
BUSINESS: Black Knight, Inc. provides integrated technology, workflow automation, and data and analytics to the mortgage industry. The company's solutions facilitate and automate many of the business processes across the entire mortgage loan life cycle, from origination until asset disposition. Its business is organized into two segments: Software Solutions (86% of 2019 sales), and Data and Analytics (14%). Has about 4,900 employees. Officers/directors own 4.4% of common stock. T. Rowe Price, 14.8%, Fidelity Management, 8.9%, The Vanguard Group, 8.3% (4/19 proxy) Chairman, William P. Foley II; Chief Executive Officer, Anthony Jabbar. Address: 601 Riverside Avenue, Jacksonville, Florida 32204. Tel: (904) 854-8100. Internet: www.blackknightinc.com													
Shares of Black Knight, Inc. have pulled back from record highs. After posting peak earnings in the fourth quarter of 2019, the stock soared to over \$75 per share. However, the broader market collapse sparked by the coronavirus outbreak has driven BKI markedly lower. Fourth-quarter results were solid. Black Knight generated revenues of \$300.1 million, which was in line with our call and climbed 5% year over year. The larger of the company's operating segments, Software Solutions, ticked up about 4%. The growth there was spurred by increased MSP (mortgage servicing platforms) clients, and average revenue per loan. On the downside, some client deconversions cut into revenues. Business was even better on the Data & Analytics side, which jumped double digits. That division benefited from a large number of refinances. Meanwhile, adjusted earnings of \$0.54 per share topped our estimate by \$0.06. A lower-than-expected tax rate aided profits. We expect tepid growth in the near term. This year, we are calling for Black Knight's top line to advance roughly 2%													
and for earnings to be basically flat. In 2021, our estimates suggest revenue and earnings growth will pick up. Still, it is too early to tell what the impact of the coronavirus will have on the housing and refinancing markets. New solutions will be key to drive long-term growth. Black Knight has been successful in developing innovative software products in the mortgage servicing space and has more on tap. For instance, the company has incorporated artificial intelligence in some of its solutions. Now, the company is set to unveil a next-generation customer service solution that it acquired from Quicken Loans. These types of developments are critical in helping to add clients and often open up significant cross-selling opportunities. These shares carry our Highest rank for Timeliness (1). Although the stock is pegged to outpace the broader market averages in the year ahead, near-term price performance may be choppy due to the uncertain economic climate. Looking further out, 3- to 5-year capital appreciation is subpar at the recent quotation. Kevin P. O'Sullivan April 10, 2020													

(A) Diluted earnings. Quarterly earnings may not sum to total due to rounding and/or changes in shares outstanding. Excludes non-recurring gains/(losses). '15, (70c), '16, (48c).  
(B) 2014 information is pro forma.  
(C) Includes intangibles. In 2019 \$2917.4 mill.  
(D) In millions.

Company's Financial Strength B+  
Stock's Price Stability 80  
Price Growth Persistence 100  
Earnings Predictability NMF

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BROADRIDGE FIN'L NYSE-BR						RECENT PRICE	P/E RATIO	(Trailing: 25.9 Median: 21.0)	RELATIVE P/E RATIO	DIV'D YLD	1.8%	VALUE LINE	432					
TIMELINESS	2	Raised 4/24/20	High-Low	23 2 12 6	24 0 18 5	24 8 19 0	24 9 19 8	40 4 21 8	46 8 34 9	60 1 44 6	71 7 48 6	92 4 65 2	138 2 87 5	137 0 92 4	134 3 81 9	Target 2023	Price 2024	Range 2025
SAFETY	2	New 2/26/16	LEGENDS 19.0 x "Cash Flow" p sh Relative Price Strength Options Yes Shaded area indicates recession															
TECHNICAL	5	Lowered 5/8/20																
BETA	85	(1.00 = Market)																
18-Month Target Price Range																		
Low-High Midpoint (% to Mid)																		
\$81-\$174 \$128 (5%)																		
2023-25 PROJECTIONS																		
Price Gain Ann'l Total																		
High Low 195 (+65%) 15% 145 (+20%) 7%																		
Institutional Decisions																		
202019 3Q2019 4Q2019																		
to Buy 273 270 371																		
to Sell 345 328 271																		
Hld's(000) 101743 99748 98395																		
Percent shares traded																		
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																		
Revenues per sh <sup>A</sup>			50.00															
"Cash Flow" per sh			8.70															
Earnings per sh <sup>AB</sup>			6.50															
Div'ds Decl'd per sh <sup>C</sup>			2.32															
Cap'l Spending per sh			.80															
Book Value per sh <sup>D</sup>			13.85															
Common Shs Outst'g <sup>E</sup>			112.00															
Avg Ann'l P/E Ratio			26.0															
Relative P/E Ratio			1.45															
Avg Ann'l Div'd Yield			1.7%															
CAPITAL STRUCTURE as of 3/31/20																		
Total Debt \$2079.7 mill Due in 5 Yrs \$975 mill.																		
LT Debt \$1679.9 mill LT Interest \$55.0 mill.																		
(Total interest coverage: 14.0x)																		
(58% of Cap'l)																		
Leases, Uncapitalized Annual rentals \$46.8 mill.																		
Pfd Stock None																		
Common Stock 114,817,479 shs as of 5/1/20																		
MARKET CAP: \$13.7 billion (Large Cap)																		
CURRENT POSITION																		
(SMILL.)																		
Cash Assets 263.9			402.1															
Receivables 615.0			814.7															
Inventories -			-															
Other 112.2			144.2															
Current Assets 991.1			1361.0															
Accts Payable 191.8			737.2															
Debt Due -			399.8															
Other 585.5			118.0															
Current Liab. 777.3			1255.0															
ANNUAL RATES																		
of change (per sh)																		
Revenues 9.0%			13.0%															
"Cash Flow" 12.0%			8.0%															
Earnings 10.0%			9.0%															
Dividends 23.5%			10.5%															
Book Value 6.0%			7.0%															
Fiscal Year																		
QUARTERLY REVENUES (\$mill.) <sup>A</sup>																		
Sep.30 Dec.31 Mar.31 Jun.30																		
2017 895.3 892.6 1008.9 1345.8			4142.6															
2018 924.8 1012.8 1071.9 1320.4			4329.9															
2019 972.8 953.4 1224.8 1211.2			4362.2															
2020 948.6 968.7 1249.9 1332.8			4500															
2021 1010 1030 1335 1375			4750															
Fiscal Year																		
EARNINGS PER SHARE <sup>AB</sup>																		
Sep.30 Dec.31 Mar.31 Jun.30																		
2017 28 .25 63 1.57			2.70															
2018 54 .79 1.00 1.86			4.19															
2019 79 .56 1.59 1.72			4.66															
2020 .68 .53 1.67 2.12			5.00															
2021 .75 .85 1.80 2.15			5.55															
Cal-endar																		
QUARTERLY DIVIDENDS PAID <sup>C</sup>																		
Mar.31 Jun.30 Sep.30 Dec.31																		
2016 30 30 33 33			1.26															
2017 33 33 365 365			1.43															
2018 .365 365 485 485			1.70															
2019 .485 485 540 540			2.05															
2020 .540																		
Public companies have quickly																		
Business: Broadridge Financial Solutions, Inc. is a leading provider of investor communication services, as well as technology-related solutions for the financial services industry. The bulk of its customers are in the United States, Canada, and the United Kingdom. On behalf of its clients, Broadridge processes and distributes proxy materials, regulatory reports, sales & educational content, newsletters, trade confirmations, and account statements incorporated DE Has about 11,000 employees President & CEO Timothy Gokey Officers/directors own 2.2% of the common stock, BlackRock Inc. 8.2%, Vanguard, 12.4%; Janus, 5.8% (10/19 proxy) Address: 1981 Marcus Avenue, Lake Success, NY 11042. Telephone: (516) 472-5400 Internet: www.broadridge.com																		
shifted their annual meetings online. Broadridge pioneered virtual shareholder meetings (VSMs) in 2009, and steadily grew the number to 326 last year. So far in 2020, more than 1,500 clients have contracted with Broadridge for VSMs. During these meetings the company validates shareholders, moderates questions, and enables voting, all in real time. Guidance looks decent. Organic revenue growth is expected to improve meaningfully this quarter thanks to strong stock record growth, the proxy timing shift, and increased demand for VSMs. Still, event-driven revenue is expected to decline more than originally anticipated, and the company is guiding total revenue for the full year at the low end of the prior 3% to 6% range. Along a similar vein, adjusted earnings-per-share growth will likely clock in at 5% to 7%, down from the prior guidance range of 8%. These shares are timely. The company stands to benefit from increased market volatility. Its strong client retention and healthy balance sheet are other advantages in this turbulent environment. Kevin Downing May 22, 2020																		
(A) Fiscal years end June 30th.			(C) Dividends historically paid early March, June, Sept., and December.															
(B) Fully diluted earnings. Excludes discontinued ops '12, (\$0.01), '11, (\$0.02), '10, (\$0.26). Next earnings report due in early August May			(D) Includes intangibles. In 2019 \$2.1 bill or															
			\$17.99/sh (E) In millions															
			Company's Financial Strength B++															
			Stock's Price Stability 90															
			Price Growth Persistence 90															
			Earnings Predictability 90															

CBOE GLOBAL MKTS. CBOE-CBOE			RECENT PRICE	93.03	P/E RATIO	27.2	(Trailing: 27.9 Median: 25.0)	RELATIVE P/E RATIO	2.06	DIV'D YLD	1.5%	VALUE LINE								
TIMELINESS	3	Lowered 2/21/20	High	34.2	29.8	31.0	54.8	65.4	72.5	77.3	128.3	138.5	124.9	127.9	72.0	Target Price Range	2023	2024	2025	
SAFETY	2	Raised 1/13/17	Low	19.6	21.5	24.4	29.7	46.5	55.0	58.4	72.5	87.9	89.5	72.0						
TECHNICAL	2	Raised 3/20/20	<div> <div>LEGENDS</div> <div> <div>16.0 x "Cash Flow" p.sh</div> <div>Relative Price Strength</div> <div>Options: Yes</div> <div>Shaded area indicates recession</div> </div> </div>																	
BETA	65	(1.00 = Market)																		
18-Month Target Price Range																				
Low-High Midpoint (% to Mid)																				
\$91-\$141 \$116 (25%)																				
2023-25 PROJECTIONS																				
Price Gain Ann'l Total																				
High Low 190 140																				
Gain (+105%) (+50%) 21% 12%																				
Institutional Decisions																				
2020/19 3Q2019 4Q2019																				
to Buy 195 192 228																				
to Sell 190 176 164																				
Hld's(000) 96100 91958 90983																				
Percent shares traded																				
45 30 15																				
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																				
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2010 2011 2012 2013 2014 2015 2016 2017 201																				



CERNER CORP.

NDQ-CERN

RECENT PRICE

67.28

P/E RATIO

23.6

Trading: 34.2

Median: 30.0

RELATIVE P/E RATIO

1.28

DIV YLD

1.1%

VALUE LINE

TIMELINESS

1

Raised 4/17/20

SAFETY

2

Raised 3/13/15

TECHNICAL

2

Raised 5/15/20

BETA

90

(1.00 = Market)

18-Month Target Price Range

Low-High

Midpoint (% to Mid)

\$38-\$78

\$58 (-15%)

2023-25 PROJECTIONS

Price

120

Gain

(+80%)

Ann'l Total Return

17%

9%

Institutional Decisions

202019

302019

402019

to Buy

317

315

352

to Sell

338

338

345

Hld's(000)

266460

259658

256063

Percent shares traded

36

24

12

LEGENDS

16.0 x "Cash Flow" p sh

Relative Price Strength

2-for-1 split 9/11

2-for-1 split 7/13

Options Yes

Shaded area indicates recession

2-for-1

% TOT. RETURN 4/20

HIS STOCK

VL ARITH INDEX

1 yr

5.5

-15.6

3 yr

8.3

-2.4

5 yr

2.3

12.2

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

© VALUE LINE PUB. LLC

23-25

316

370

439

474

508

506

556

650

774

847

994

1302

1455

1547

1655

1831

18.35

19.85

Revenues per sh

23.50

53

64

72

87

106

116

129

153

180

212

257

324

365

390

419

471

4.95

5.50

"Cash Flow" per sh

6.50

22

27

31

38

52

58

70

88

113

132

165

211

230

238

245

269

2.85

3.30

Earnings per sh<sup>B</sup>

4.25

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.72

.72

Div'ds Decl'd per sh<sup>E</sup>

1.00

15

32

42

56

33

40

31

31

53

103

81

107

139

109

138

152

.75

1.25

Cap'l Spending per sh

1.25

2.04

2.42

2.93

3.53

4.04

4.79

5.72

6.81

8.23

9.21

10.42

11.38

11.92

14.39

15.20

13.89

13.95

15.10

Book Value per sh

22.50

293.10

314.06

313.57

320.59

324.17

330.26

332.96

339.13

344.18

343.82

342.33

339.96

329.64

332.46

324.31

310.91

305.00

300.00

Common Shs Outst'g<sup>D</sup>

300.00

26.0

32.1

35.1

36.2

21.1

25.7

30.0

33.5

33.1

37.3

34.8

31.5

24.6

26.6

25.0

24.6

Bold figures are

Avg Ann'l P/E Ratio

25.0

1.37

1.71

1.90

1.92

1.27

1.71

1.91

2.10

2.11

2.10

1.83

1.59

1.29

1.34

1.35

1.33

Value Line estimates

Relative P/E Ratio

1.40

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5%

5%

Avg Ann'l Div'd Yield

.9%

CAPITAL STRUCTURE as of 3/31/20

Total Debt \$1338.4 mill

Due in 5 Yrs \$825.0 mill

LT Debt \$1338.4 mill

LT Interest \$41.5 mill

(26% of Cap'l)

1850.2

2203.2

2665.4

2910.7

3402.7

4425.3

4796.5

5142.3

5366.3

5692.6

5600

5950

Revenues (\$mill)

7100

29.9%

30.5%

29.8%

29.8%

33.6%

32.4%

31.9%

31.6%

28.9%

29.1%

31.0%

32.0%

Operating Margin

32.5%

193.3

212.6

222.6

263.5

302.4

360.7

413.7

491.8

540.2

603.0

625

650

Depreciation (\$mill)

700

237.3

306.6

397.2

466.4

576.4

740.8

790.4

805.0

818.5

862.1

880

1000

Net Profit (\$mill)

1275

34.5%

34.7%

32.4%

32.8%

32.4%

31.1%

30.2%

30.4%

21.1%

19.9%

21.0%

21.0%

Income Tax Rate

21.0%

12.8%

13.9%

14.9%

16.0%

16.9%

16.7%

16.5%

15.7%

15.3%

15.1%

15.7%

16.8%

Net Profit Margin

18.0%

840.2

1063.6

1210.4

1121.3

1714.5

1049.9

774.0

1590.6

1356.1

1069.2

1000

1250

Working Cap'l (\$mill)

1500

67.9

86.8

136.6

111.7

62.9

563.4

537.6

515.1

438.8

1038.4

1350

1500

Long-Term Debt (\$mill)

1500

1905.3

2310.7

2833.7

3167.7

3566.0

3870.4

3927.9

4785.3

4928.4

4317.3

4250

4525

Shr. Equity (\$mill)

6800

12.2%

12.9%

13.5%

14.3%

15.9%

16.9%

17.8%

15.3%

15.3%

16.2%

16.0%

17.0%

Return on Total Cap'l

15.5%

12.5%

13.3%

14.0%

14.7%

16.2%

19.1%

20.1%

16.8%

16.6%

20.0%

20.5%

22.0%

Return on Shr. Equity

19.0%

12.5%

13.3%

14.0%

14.7%

16.2%

19.1%

20.1%

16.8%

16.6%

17.3%

15.5%

17.0%

Retained to Com Eq

14.5%

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13%

25%

22%

All Div'ds to Net Prof

24%

Leases, Uncapitalized Annual rentals \$33.9 mill

No Defined Benefit Pension Plan

Pfd Stock None

Common Stock 304,348,600 shs.

as 4/23/20

MARKET CAP: \$20.5 billion (Large Cap)

CURRENT POSITION

2018

2019

3/31/20

(\$MILL.)

Cash Assets

775.4

541.8

398.8

Receivables

1172.6

1139.6

1151.0

Inventory (FIFO)

25.0

23.2

23.5

Other

345.8

392.0

390.3

Current Assets

2318.8

2096.6

1963.6

Accts Payable

293.5

273.4

296.0

Debt Due

4.9

--

--

Deferred Revenue

399.2

360.0

316.6

Other

265.1

394.0

405.9

Current Liab

962.7

1027.4

1018.5

BUSINESS:

Cerner Corp designs, develops, markets, installs, and supports clinical and management information systems. Cerner's systems are designed and developed using a single, unified information architecture. Cerner Millennium. Cerner's software and systems are focused on the clinical side of healthcare and are targeted at hospitals and integrated delivery networks. R&D expense: 12.9% of '19 revenues. Contract backlog \$6.0 billion (12/28/19). Employed about 27,400 (12/19). Stock owners: BlackRock, Inc., 10.7%, The Vanguard Group, 7.5% (4/20 proxy). Chairman & CEO: Brent Shaler, CFO: Marc G. Naughton Incorporated. DE Address: 2800 Rockcreek Pkwy., North Kansas City, MO 64117. Telephone: (816) 201-1024. Internet: www.cerner.com

At this writing, Cerner estimates the largest impact from the disruption caused by COVID-19 will be in the second quarter.

The company is currently forecasting that the effect will be about \$185 million this year (including \$30 million in the March period), with \$95 million likely to be realized in the current interim. This amount reflects the expectation of reduced sales activity in the quarter combined with lower utilization in its professional services business, since its consultants will not have full access to its customers' facilities. Although Cerner is looking for the balance of \$60 million to affect the second half, it also expects that business activity will pick up in the third and fourth quarters, and earnings growth should return in the final six months.

We have made changes to our revenue and earnings estimates for this year.

We have cut our revenue target for 2020 by \$285 million. This reduction includes the \$185 million specific to the disruption due to the coronavirus pandemic mentioned above, \$40 million due to the sale of assets located in Germany and Spain, and \$60 million due to our taking a more conservative view on the second half. Meanwhile, our earnings estimate of \$2.85 a share is within Cerner's current forecast, but down \$0.70 from the figure published with our report of early March. The company's adjusted operating margin (inclusive of depreciation) will be affected by the pandemic this year. Nonetheless, it should widen about 150 basis points, to around 20%, as Cerner continues to benefit from its ongoing streamlining process and manages through the current difficulties.

What about Cerner stock?

It has rebounded nicely in recent weeks, as investors grew more comfortable with the company's near-term prospects. Cerner still has good visibility into its sales pipeline, and the reductions in revenues taken this year are seen as being delayed, rather than lost. Meanwhile, the company's strong financial position affords it the ability to grow by acquisition, while also maintaining internal investments and its quarterly dividend. These positives have not gone unnoticed, though, and those considering new commitments will have to shoulder a premium.

Charles Clark

June 5, 2020

(A) Fiscal year ends on the Saturday closest to December 31st	'08, 10c, '13, d19c; '14, d15c; '15, d57c, '16, d45c, '17, 19c, '18, d56c, '19, d\$1 03
(B) Fully-diluted earnings, non-GAAP EPS from 2014 Excl items '05, 1c, '06, 5c,	Next earnings report due late July
(C) Quarters may not sum to annual figure, due	

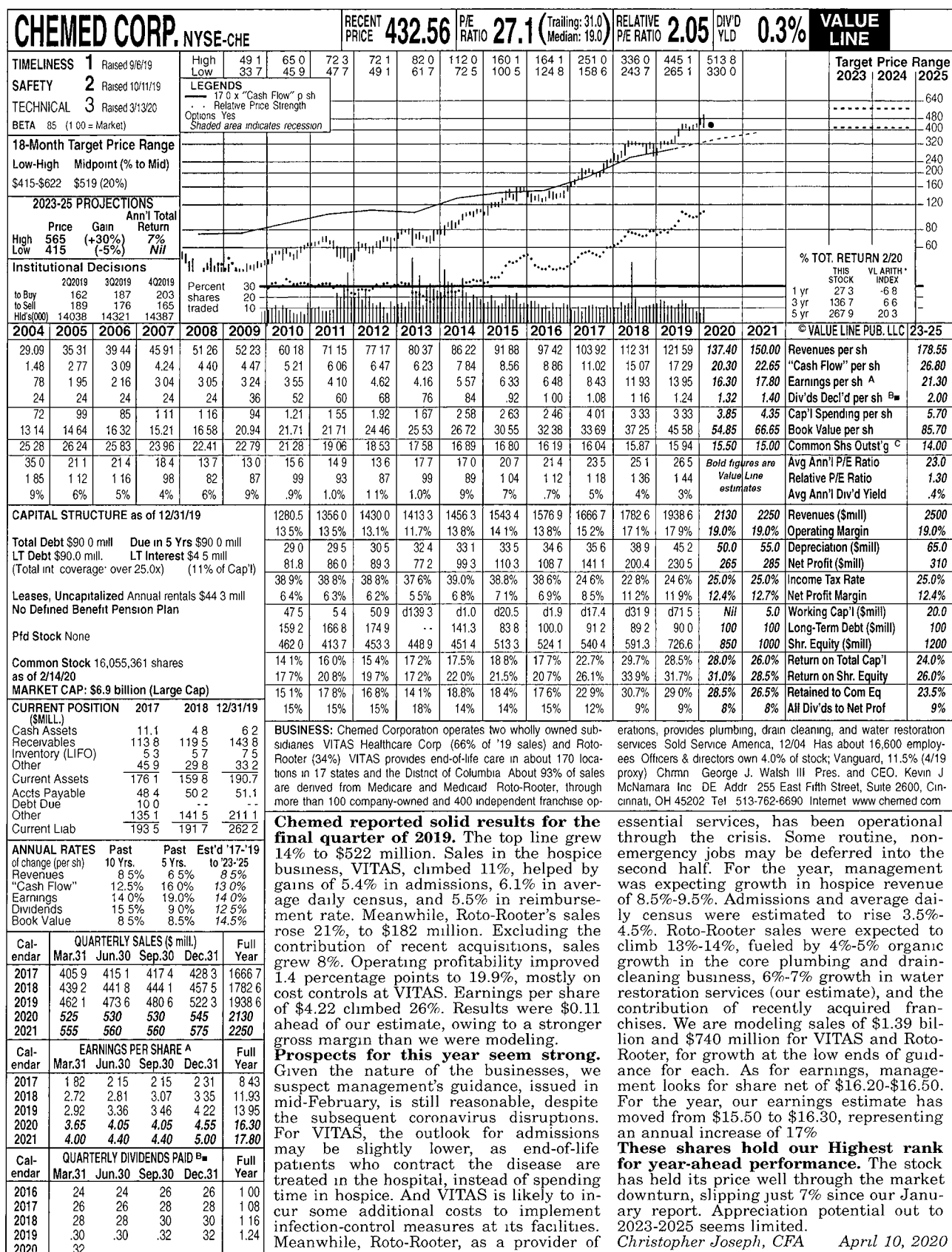
(D) In millions, adjusted for stock splits.  
(E) Initial dividend declared 5/30/19

Company's Financial Strength	A+
Stock's Price Stability	85
Price Growth Persistence	65
Earnings Predictability	95

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COOPER COS. NYSE:COO				RECENT PRICE	287.09	P/E RATIO	23.6	(Trailing: 31.6 Median: 25.0)	RELATIVE P/E RATIO	1.42	DIV'D YLD	Nil	VALUE LINE									
TIMELINESS	3	Lowered 3/20/20	High	Low	39.0	59.1	84.2	100.9	135.4	171.5	190.0	191.0	256.4	283.2	344.3	365.7		Target Price	Range			
SAFETY	2	Raised 2/20/15	15.0 x "Cash Flow" p. sh															2023	2024	2025		
TECHNICAL	2	Raised 4/24/20	Relative Price Strength																			
BETA	95	(1.00 = Market)	Options: Yes																			
18-Month Target Price Range																						
Low-High																						
Midpoint (% to Mid)																						
\$296-\$489 \$393 (35%)																						
2023-25 PROJECTIONS																						
Price																						
Gain																						
Ann'l Total																						
Return																						
High Low																						
415 305																						
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(A) Fiscal year ends October 31st  
(B) Diluted earnings Excludes non-recurring charges/gain '05, (\$0.10), '06 (\$0.34), '07, (\$2.37), '08, (\$0.83), '09, (\$0.08); '10, (\$0.46);  
(C) Includes intangibles On 1/31/20: \$3,963.4  
(D) Includes intangibles On 1/31/20: \$3,963.4  
(E) Dividends paid early Feb and early Aug

billions, \$80.27 a share

Company's Financial Strength A  
Stock's Price Stability 85  
Price Growth Persistence 100  
Earnings Predictability 60

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LAUDER (ESTÉE) COS. NYSE:EL										RECENT PRICE	200.43	P/E RATIO	36.3 (Trailing: 38.0 Median: 25.0)	RELATIVE P/E RATIO	1.84	DIV'D YLD	Nil	VALUE LINE	
TIMELINESS	2	Lowered 6/5/20	High Low	25 3	40 7	60 4	65 6	75 8	78 0	91 7	97 5	130 4	158 8	208 3	220 4			Target Price Range 2023 2024 2025	
SAFETY	2	Raised 1/4/02	LEGENDS	18 0 x "Cash Flow" p sh															
TECHNICAL	3	Lowered 6/12/20	Relative Price Strength																
BETA	90	(1 00 = Market)	2-for-1 split 1/12																
18-Month Target Price Range																			
Low-High Midpoint (% to Mid)																			
\$123-\$265 \$194 (-5%)																			
2023-25 PROJECTIONS																			
Price Gain Ann'l Total																			
High Low 245 (+20%) 6%																			
Low 180 (-10%) -2%																			
Institutional Decisions																			
3Q2019 4Q2019 1Q2020																			
to Buy 443 467 411																			
to Sell 415 428 527																			
Hld's(000) 202069 198891 201630																			
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% TOT. RETURN 5/20	
12 79	14 34	15 26	18 11	20 32	18 62	19 80	22 59	25 09	26 28	28 77	28 76	30 62	32 12	37 27	41 16	41 85	48 05	Sales per sh <sup>A</sup>	
1 25	1 43	1 45	1 69	1 86	1 35	2 08	2 66	3 09	3 50	4 17	4 00	4 16	4 65	6 06	7 02	6 75	8 20	"Cash Flow" per sh	
82	95	96	1 08	1 20	71	1 38	1 85	2 27	2 58	3 06	2 82	2 96	3 35	4 51	5 34	5 20	6 60	Earnings per sh <sup>A</sup>	
15	20	20	25	28	28	28	38	53	1 08	78	92	1 14	1 32	1 48	1 72	Nil	1 97	Div'ds Decl'd per sh <sup>E</sup>	
46	52	62	80	92	71	69	9												

(A) Diluted earnings. Fiscal year ends June 30th Excl non-rec losses '06, (\$0.15), '09, (\$0.31); '10, (\$0.38); disc ops, '04, (\$0.14); '06, (\$0.43), '11, (\$0.21), '16, (\$0.03). Next earnings report due Aug 20th. (B) Includes intangibles In '19 \$3,071.0 mil, \$8.51/share (C) In millions, adjusted for stock split (D) Year-end sales or earnings may not tally due to rounding (E) Dividend paid in fourth quarter through 2012, quarterly thereafter Div'd suspended on May 1st, 2020	Company's Financial Strength Stock's Price Stability Price Growth Persistence Earnings Predictability	A 90 85 80
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ESCO TECHNOLOGIES NYSE:ESE										RECENT PRICE	76.55	P/E RATIO	23.6	(Trailing: 24.8 Median: 22.0)	RELATIVE P/E RATIO	1.79	DIV'D YLD	0.4%	VALUE LINE
TIMELINESS	3	Lowered 2/14/20	High	Low	46.9	39.1	43.2	39.5	42.4	38.4	40.0	58.8	65.9	71.5	93.2	107.1			Target Price Range
SAFETY	3	New 1/31/03	High	Low	29.0	24.5	23.8	28.5	30.3	32.2	33.6	31.5	50.3	54.3	62.9	62.6			2023 2024 2025
TECHNICAL	3	Lowered 4/3/20	LEGENDS 13.0 x "Cash Flow" p sh Relative Price Strength Options: Yes Shaded area indicates recession																
BETA	95	(1.00 = Market)																	
18-Month Target Price Range																			
Low-High Midpoint (% to Mid)																			
\$62-\$120 \$91 (20%)																			
2023-25 PROJECTIONS																			
Price Gain Ann'l Total																			
High Low 120 80 (+55%) 12% 2%																			
Institutional Decisions																			
to Buy to Sell Hld's(000)																			
202019 302019 402019																			
77 74 84																			
24693 24561 24688																			
Percent shares traded																			
30 20 10																			
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																			
16.37 16.79 17.74 20.49 23.91 23.44 22.92 26.04 25.83 18.53 20.27 20.81 22.22 26.55 29.78 31.29 30.40 33.40																			
1.97 2.18 1.88 2.23 2.88 3.01 2.53 2.85 2.69 1.74 2.25 2.34 2.91 3.48 4.11 4.70 4.90 5.45																			
1.46 1.66 1.19 1.34 1.80 1.86 1.68 1.95 1.73 1.17 1.60 1.59 1.98 2.22 2.76 3.13 3.25 3.65																			
.. .. .. .. ..																			
.47 .67 1.43 1.93 1.10 54 51 51 55 52 49 48 54 1.15 1.16 1.75 1.75 1.60																			
11.93 12.95 14.55 16.14 17.95 19.59 20.98 22.55 23.69 22.75 22.14 22.63 23.92 26.01 29.31 31.80 36.55 39.00																			
25.78 25.56 25.87 25.74 26.09 26.41 26.50 26.64 26.65 26.45 26.21 25.82 25.72 25.83 25.91 25.98 26.00 25.00																			
17.0 25.6 40.9 31.9 23.3 20.5 19.3 18.2 19.1 31.0 21.6 23.2 19.7 25.2 22.1 22.7 20.0 20.0																			
90 1.36 2.21 1.69 1.40 1.37 1.23 1.14 1.22 1.74 1.14 1.17 1.03 1.27 1.19 1.24 1.10 1.10																			
.. .. .. .. ..																			
CAPITAL STRUCTURE as of 12/31/19																			
Total Debt \$150.0 mill. Due in 5 Yrs \$20.0 mill																			
LT Debt \$130.0 mill LT Interest \$8.0 mill																			
(Total interest coverage 7.1x) (12% of Cap'l)																			
Leases, Uncapitalized: Annual rentals \$6.4 mill.																			
Pension Assets-9/19 \$77.2 mill																			
Preferred Stock None																			
Common Stock 25,989,029 shares as of 1/31/20																			
MARKET CAP: \$2.0 billion (Mid Cap)																			
CURRENT POSITION 2018 2019 12/31/19																			
(SMILL.)																			
Cash Assets 30.5 61.8 96.7																			
Receivables 163.7 174.4 160.7																			
Inventory (FIFO) 135.4 128.8 134.0																			
Other 66.4 130.2 106.9																			
Current Assets 396.0 495.2 498.3																			
Accts Payable 63.0 71.4 53.1																			
Debt Due 20.0 21.3 20.0																			
Other 117.5 158.9 178.9																			
Current Liab. 200.5 251.6 252.0																			
ANNUAL RATES Past 10 Yrs Past 5 Yrs Est'd '17-'19 to '22-'24																			
Sales 2.5% 6.5% 5.5%																			
"Cash Flow" 4.0% 13.0% 9.5%																			
Earnings 5.0% 12.5% 11.0%																			
Dividends 5.0% 5.0% 2.0%																			
Book Value 5.0% 5.0% 8.5%																			
Fiscal Year Ends																			
QUARTERLY SALES (\$ mill.) <sup>A</sup>																			
Dec. 31 Mar. 31 Jun. 30 Sep. 30																			
2017 146.3 161.2 171.2 207.0 685.7																			
2018 173.5 174.8 192.2 231.1 771.6																			
2019 182.6 193.9 199.8 236.7 813.0																			
2020 171.7 185 195 238.3 790																			
2021 180 205 210 240 835																			
Fiscal Year Ends																			
EARNINGS PER SHARE <sup>AB</sup>																			
Dec. 31 Mar. 31 Jun. 30 Sep. 30																			
2017 47 45 51 79 2.22																			
2018 33 48 .73 1.22 2.76																			
2019 47 76 81 1.09 3.15																			
2020 43 .70 .90 1.22 3.23																			
2021 .55 .80 1.00 1.30 3.65																			
Cal-endar																			
QUARTERLY DIVIDENDS PAID <sup>C</sup>																			
Mar.31 Jun.30 Sep.30 Dec.31																			
2016 .08 .08 .08 .08 32																			
2017 .08 .08 .08 .08 32																			
2018 .08 .08 .08 .08 32																			
2019 .08 .08 .08 .08 32																			
2020 .08 .08 .08 .08 32																			
2021 .08 .08 .08 .08 32																			
BUSINESS: ESCO Technologies, Inc. is a supplier of special purpose solutions for electric, gas, and water utilities, including hardware and software to support advanced metering applications and intelligent instrumentation. It operates: Aerospace & Defense (40% of fiscal 2019 sales), Utility Solutions Group (26%), Test (23%) and Packaging (11%) segments. Acquired Doble (11/07).																			
ESCO Technologies began fiscal 2020 (year ends September 30th) on a solid note. Indeed, the company registered first-quarter top- and bottom-line tallies above our expectations. The company generated sales of \$171.7 million, which bested our call by nearly \$7 million and increased 5% on a comparable basis. (ESCO sold its Technical Packaging division earlier this year). The company's largest operating unit, Aerospace and Defense (formerly Filtration), performed the best, rising a hearty 17%. The unit received nice contributions from its business with the U.S. Navy. The remaining operating units did not fare as well, as the Test unit was flat and the Utility Solutions Group (USG) dipped roughly 5%. The subpar USG sales figure was largely the result of the timing of certain customer projects. Meanwhile, adjusted earnings of \$0.43 per share beat our target of \$0.40. Margins were generally in line with expectations.																			
We have tweaked our fiscal 2020 estimates and introduced our 2021 figures. We have trimmed \$5 million from this year's top-line estimate to \$790 million but kept our earnings call intact. The																			
second half of the year should be bolstered by orders for the Columbia Class of submarines. For next fiscal year we are calling for mid-single-digit sales gains and share earnings to advance around 12%. However, it is still too early to gauge what the impact of the coronavirus outbreak will have on ESCO.																			
Finances are in good shape. The sale of the Technical Packaging unit netted ESCO roughly \$160 million. With that cash, the company lowered its debt markedly. What's more, the company will have increased flexibility to pursue strategic acquisitions.																			
These shares have slipped one notch in our Timeliness Ranking System to 3 (Average). The stock has been reeling of late, primarily due to the recent overall market slump, the result of the coronavirus outbreak, and is only slated to track the broader market averages in the year ahead. Looking further out, 3- to 5-year capital appreciation potential is subpar, based on our long-term earnings projections. Furthermore, the paltry yield will not attract income-oriented accounts.																			
Kevin P. O'Sullivan April 10, 2020																			



EXPONENT, INC. NYSE-EXPO										RECENT PRICE	65.77	P/E RATIO	45.4	(Trailing: 43.0 Median: 27.0)	RELATIVE P/E RATIO	2.58	DIV'D YLD	1.2%	VALUE LINE	437	
TIMELINESS	2	Raised 3/27/20	High	7.7	10.3	12.8	14.7	20.1	21.0	27.4	32.4	38.6	54.6	72.7	82.8				Target Price Range		
SAFETY	3	New 2/21/20	Low	4.9	6.3	8.8	11.3	11.8	16.2	19.6	22.4	27.9	34.9	47.1	58.0				2023 2024 2025		
TECHNICAL	1	Raised 5/15/20	LEGENDS 36.0 x "Cash Flow" p.sh ... Relative Price Strength 2 for 1 split 6/15 2 for 1 split 6/18 Options Yes Shaded area indicates recession																		
BETA	85	(1.00 = Market)																			
18-Month Target Price Range																					
Low-High Midpoint (% to Mid)																					
\$65-\$100 \$83 (25%)																					
2023-25 PROJECTIONS																					
Price Gain Ann'l Total																					
High Low (+50%) Return																					
100 65 (Nil) 12% 1%																					
Institutional Decisions																					
202019 302019 402019																					
to Buy 130 129 132																					
to Sell 111 119 135																					
Hld's(000) 46386 46643 46643																					
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% TOT. RETURN 4/20			
2.37	2.40	2.86	3.57	4.18	4.15	3.96	4.64	5.05	5.36	5.92	6.08	6.15	6.75	7.37	8.06	7.20	8.45	THIS STOCK	VL ARITH INDEX		
25	27	30	42	50	48	57	70	79	83	90	97	105	92	153	172	1.55	2.00	1 yr	25.5		
18	20	21	31	37	37	46	56	65	69	74	80	88	77	133	153	1.45	1.75	3 yr	137.9		
--	--	--	--	--	--	--	--	--	15	25	30	36	42	52	64	.76	.84	5 yr	237.4		
04	05	05	06	10	04	04	07	09	12	10	10	28	09	32	45	.30	.35	12.2			
1.83	2.06	2.11	2.30	2.34	2.73	3.28	3.51	4.10	4.50	4.75	5.11	5.34	5.61	6.10	6.77	6.65	6.90				
64.05	64.77	58.85	57.44	54.76	54.95	55.98	53.20	52.82	52.26	51.48	51.44	51.19	51.54	51.50	51.76	54.00	55.00				
18.0	16.7	19.7	18.6	20.9	18.0	17.0	19.0	19.5	22.8	25.2	28.3	30.1	42.1	34.8	40.0						
95	89	1.06	.99	1.26	1.20	1.08	1.19	1.24	1.28	1.33	1.42	1.58	2.12	1.88	2.16						
--	--	--	--	--	--	--	--	--	1.0%	1.3%	1.3%	1.4%	1.3%	1.1%	1.0%						
CAPITAL STRUCTURE as of 4/3/20																					
Total Debt Nil																					

(A) Diluted shares. May not sum due to rounding. Next earnings report late July.  
(B) Incl. intang. In 2019, \$8.6 mil., about \$0.16/sh.

(C) In millions.  
(D) Dividends historically paid in late March, June, September, and December.

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Company's Financial Strength B+  
Stock's Price Stability 90  
Price Growth Persistence 100  
Earnings Predictability 65

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FORWARD AIR CORP. NDQ-FWRD

RECENT PRICE 48.17

P/E RATIO 32.1 (Trailing: 17.8 Median: 21.0)

RELATIVE P/E RATIO 1.82

DIV'D YLD 1.5%

VALUE LINE 320

18-Month Target Price Range

Low-High \$41-\$85

Midpoint (% to Mid) \$63 (30%)

2023-25 PROJECTIONS

Price High 115 Low 75

Gain (+140%) (+55%)

Ann'l Total Return 25% 13%

Institutional Decisions

202019 to Buy 113 to Sell 108 Hld's(000) 26914

202019 to Buy 86 to Sell 119 Hld's(000) 27195

202019 to Buy 115 to Sell 103 Hld's(000) 27122

LEGENDS

15.5 x "Cash Flow" p sh

Relative Price Strength

Options Yes

Shaded area indicates recession

% TOT RETURN 4/20

THIS STOCK 1 yr -17.6 3 yr 0.4 5 yr 8.3

VL ARITH INDEX -15.6 -2.4 12.2

2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

8.71 10.23 11.61 13.71 16.42 14.42 16.67 18.79 20.02 21.38 25.81 31.40 32.65 37.37 46.29 50.64 44.55 50.00

1.27 1.72 1.90 1.95 2.05 1.18 1.81 2.40 2.52 2.56 3.05 3.52 3.42 3.81 4.70 4.64 3.05 4.50

1.05 1.39 1.55 1.50 1.47 49 110 161 178 177 196 225 2.09 238 312 3.04 1.50 2.75

24 28 28 28 28 28 28 34 40 48 48 51 60 63 72 .72 .80

.35 70 51 164 92 .72 .52 74 .73 1.16 1.31 1.33 1.40 1.30 1.48 1.01 1.30 1.35

5.59 5.70 6.10 5.99 7.49 7.75 8.82 10.05 12.05 14.28 15.32 16.70 16.59 18.11 19.39 20.72 21.25 22.80

32.40 31.36 30.37 28.65 28.89 28.95 29.03 28.55 29.19 30.52 30.26 30.54 30.09 29.45 28.54 27.85 27.50 27.00

23.4 22.5 22.9 21.5 21.0 42.8 24.3 19.0 18.8 22.0 23.5 21.7 21.4 22.0 19.1 20.7 21.25 22.80

1.24 1.20 1.24 1.14 1.26 2.85 1.55 1.19 1.20 1.24 1.24 1.09 1.12 1.11 1.03 1.12 1.03 1.12

-- 8% 8% 9% 9% 1.3% 1.0% 9% 1.0% 1.0% 1.0% 1.0% 1.1% 1.1% 1.1% 1.1% 1.1% 1.1%

CAPITAL STRUCTURE as of 3/31/20

Total Debt \$310.2 mill Due in 5 Yrs \$67.3 mill.

LT Debt \$251.3 mill LT Interest \$2.0 mill (23% of Cap'l)

Leases, Uncapitalized: \$59.0 mill

No Defined Benefit Pension Plan

Pfd Stock None

Common Stock 27,974,687 shs as of 4/27/20

Options exercisable 5.6%

MARKET CAP: \$1.3 billion (Mid Cap)

CURRENT POSITION (SMILL.)

Cash Assets 25.7 Receivables 156.4 Inventory (FIFO) 2.2 Other 16.8

Current Assets 201.1

Accts Payable 34.6 Debt Due 3 Other 39.8

Current Liab 74.7

ANNUAL RATES of change (per sh)

Past 10 Yrs. 11.0% Revenues 7.5% "Cash Flow" 5.5% Earnings 7.5% Dividends 10.5%

Past 5 Yrs. 14.0% 10.0% 8.0% 11.5%

Est'd '16-'18 to '23-'25 10.5% 10.5% 12.0% 9.5% 12.0%

QUARTERLY REVENUES (\$ mill.)

Cal-endar Mar.31 Jun.30 Sep.30 Dec.31

2017 247.0 267.5 280.2 306.1 1100.8

2018 302.6 330.3 331.4 356.6 1320.9

2019 321.5 345.8 361.7 381.5 1410.4

2020 342.5 270 285 327.5 1225

2021 325 325 325 375 1350

EARNINGS PER SHARE A

Cal-endar Mar.31 Jun.30 Sep.30 Dec.31

2017 47 64 60 .65 2.38

2018 60 82 76 95 3.12

2019 64 78 78 85 3.04

2020 30 .15 .35 .70 1.50

2021 .50 .70 .70 .85 2.75

QUARTERLY DIVIDENDS PAID D

Cal-endar Mar.31 Jun.30 Sep.30 Dec.31

2016 12 12 12 15 51

2017 12 15 15 15 60

2018 15 15 15 18 63

2019 18 18 18 18 72

2020 18

BUSINESS:

Forward Air Corp provides scheduled ground transportation and related logistics services to the North American air freight and expedited less-than-truckload market. Services are a cost effective alternative to air transportation. Has a network of freight terminals located on or near airports in 85 U.S. and Canadian cities. Three principal segments: Forward Air (trucking), Forward Air Solutions (pool distribution), and Total Quality (security and temperature-controlled services). '19 avg weekly volume 48.6 million lbs. Employs 4,640. Off/dir own 1.5% of common, BlackRock, 15.9%, Vanguard Group, 10.6% (3/20 proxy) Chrmn , Pres , and CEO Thomas Schmitt Inc TN Address 430 Airport Rd , Greenville, TN, 37745 Tel 423-636-7100 Internet www.forwardair.com

Forward Air's performance has reversed course.

Despite higher revenues, the freight transportation company has delivered weaker earnings comparisons over the past couple of quarters. While demand in certain end markets has been positive, cost control has been a challenge, as the trucker's top-line mix has been hampered by slowing imports and broader weakness in air freight, particularly from Asia. Too, the onset of COVID-19 has exacerbated margin strain, as Forward Air's modal exposures to air freight, ocean freight, and physical retail have been notably disrupted by containment measures and shutdowns. In particular, the Pool segment, which is highly dependent on shopping malls, has faced a substantial decline in revenues. In fact, the company has furloughed 90% of the Pool business' workforce and is considering divesting the unit altogether. All told, given that much of the freight that typically moves through Forward Air's LTL network is not classified as "essential", the health crisis will likely weigh heavily on results for the remainder of this year.

Nonetheless, we are optimistic about

a swift recovery in 2021.

The freight mover is taking steps to fortify its competitive position once health concerns subside and the broader economy stabilizes. Efforts to integrate its Truckload and LTL operations, while capitalizing on opportunities that have arisen from supply chain disruptions in the Truckload brokerage space offer promise. Too, the integration of the company's Final Mile business into its LTL operations should benefit from the increase in online orders of heavy and bulky items. In addition, Forward Air should benefit from its flexible business model and streamlined operations, while pursuing new revenue channels in the business-to-business space. These efforts ought to help the company's bottom line bounce back by next year.

The company is in a solid financial position for long-term growth. A healthy balance sheet and ample cash reserves are positives. While some restructuring may cause pain initially, we believe enhanced operating efficiency should drive profits higher. Hence, the stock's 3- to 5-year appreciation potential is attractive.

Simon R. Shoucar

May 22, 2020

(A) Diluted earnings. Excludes nonrecurring gain/(loss). '09, (15¢), '11, (1¢), '15, (\$0.47), '16, (\$1.19), '17, \$0.53. Next earnings report due late July. Quarterly totals may not sum due

to rounding and/or changes in diluted share count. Actual data has not been adjusted retroactively to reflect changes in accounting methods. (B) Includes intangibles. In 2019,

\$400.8 million, \$14.39 a share  
(C) In millions (D) Dividends historically paid in late March and early June, September, and December.

Company's Financial Strength	B++
Stock's Price Stability	85
Price Growth Persistence	85
Earnings Predictability	90

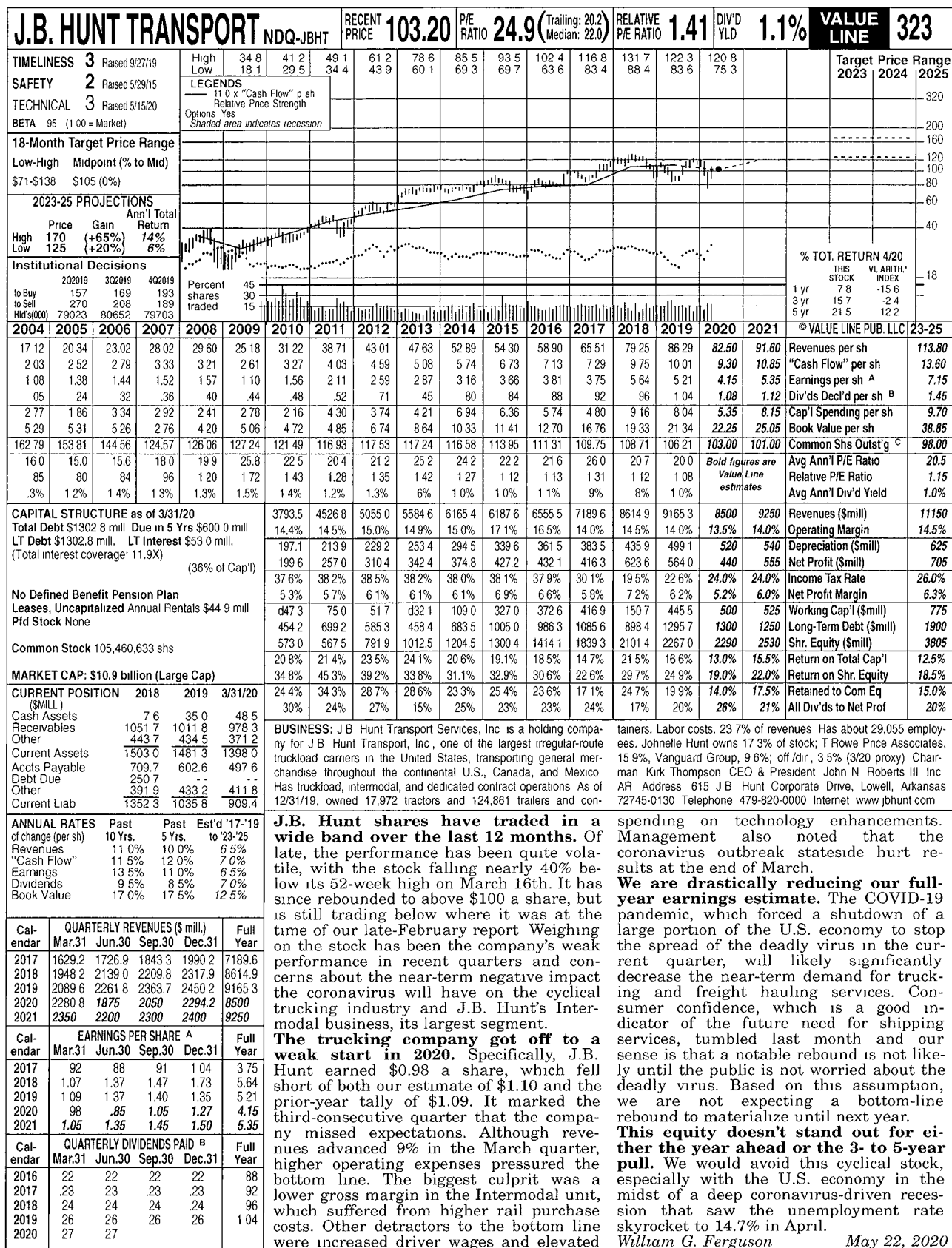
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ALPHABET INC. NDQ-GOOG										RECENT PRICE	P/E RATIO	Trailing: 24.7 Median: 24.0	RELATIVE P/E RATIO	1.55	DIV'D YLD	NIL	VALUE LINE					
TIMELINESS 2	Lowered 5/8/20	High Low	313 0 141 4	315 4 216 8	323 4 236 5	387 2 278 3	560 5 347 8	614 4 489 0	780 0 487 6	816 7 663 1	1078 775 8	1273 970 1	1365 1014	1532 1013				Target Price	Range			
SAFETY 1	Raised 5/12/17																	2023	2024	2025		
TECHNICAL 2	Raised 5/8/20																					
BETA 1.05	(1.00 = Market)																					
18-Month Target Price Range																						
Low-High	Midpoint (% to Mid)																					
\$999-\$1963	\$1481 (15%)																					
2023-25 PROJECTIONS																						
Price	Gain	Ann'l Total																				
High 2805	(+120%)	22%																				
Low 2295	(+80%)	16%																				
Institutional Decisions																						
202019	3Q2019	4Q2019																				
to Buy	1070	968	1111																			
to Sell	1008	1082	1123																			
Hold (\$000)	239150	234767	233262																			
		Percent	150																			
		shares	100																			
		traded	50																			

(A) Years end Dec. 31, quarters end Sun. on or following end of 13th, 26th, & 39th weeks of year. (B) Diluted exs Excl. n/r gains (losses): '04, 24c, '05, (29c), '07, '11, '08, (52c), '09, (27c); '10, (34c); '11, (8c), '12, (35c), '13, (11c), '14, (21c), '15, (\$1 80), '16, (\$1 07), '17, (\$1.10); '18, 22c; '19, (32c) Figures may not sum due to rounding. Next exs report due late April. (C) Div'ds historically paid mid-March, June, Sept., Dec. ■ Div'd reinvestment plan avail (D) In millions. In 2019 \$3.5 bill, \$16.66/share (E) In millions.	Company's Financial Strength	B++
	Stock's Price Stability	90
	Price Growth Persistence	60
	Earnings Predictability	100

INGREDION INC. NYSE-INGR										RECENT PRICE	80.56	P/E RATIO	12.0 (Trailing: 12.2 Median: 14.0)	RELATIVE P/E RATIO	0.90	DIV'D YLD	3.2%	VALUE LINE																								
TIMELINESS	3	Lowered 2/21/20	High	Low	32.4	48.0	59.5	66.7	74.3	87.2	99.6	140.0	142.6	146.3	99.9	99.5			Target Price	Range																						
SAFETY	3	Lowered 11/4/05																2023	2024	2025																						
TECHNICAL	5	Lowered 4/17/20																																								
BETA	90	(1.00 = Market)																																								
18-Month Target Price Range			Low-High			Midpoint (% to Mid)																																				
			\$77-\$120			\$99 (20%)																																				
2023-25 PROJECTIONS			Price	Gain	Ann'l Total																																					
			High	Low	160	(+100%)	21%																																			
			Low	110	(+35%)	17%																																				
Institutional Decisions			202019	302019	402019																																					
			to Buy	199	200	213																																				
			to Sell	244	210	203																																				
			Hld's(000)	58953	58021	59830																																				
			Percent shares traded	30	20	10																																				



(A) Based on diluted shares. Excludes net non-recurring gains (losses): '04, (18c); '05, (10c); '07, 3c, '08, (1c); '09, (5c); '17, \$2.43; '18, (\$1.21), '19, (44c). Next earnings report due mid-July. (B) Cash dividend reinstated April, 2004. Payment dates mid-February, May, August, and late November. Raised quarterly dividend by \$0.01 a share and paid out normal Q1 outlay in Q4 of 2012. (C) In millions, adjusted for stock split.

Company's Financial Strength		A+
Stock's Price Stability		85
Price Growth Persistence		90
Earnings Predictability		80

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J&J SNACK FOODS										NDQ-JJSF		RECENT PRICE	120.59	P/E RATIO	27.7	(Trailing: 24.3 Median: 25.0)	RELATIVE P/E RATIO	2.07	DIV'D YLD	1.9%	VALUE LINE	Target Price Range		
TIMELINESS	4	Lowered 4/17/20	High	Low	44.8	50.3	55.6	65.6	90.8	112.7	125.6	135.0	157.3	162.8	196.8	189.2					Target Price	2023	2024	2025
SAFETY	1	Raised 4/20/18	LEGENDS																					
TECHNICAL	3	Raised 4/3/20	21.5 x "Cash Flow" p sh																					
BETA	70	(1.00 = Market)	Options Yes																					
			Shaded area indicates recession																					
18-Month Target Price Range																								
Low-High Midpoint (% to Mid)																								
\$101-\$215 \$158 (30%)																								
2023-25 PROJECTIONS																								
Price Gain Ann'l Total																								
High Low 215 175 (+80%) (+45%) 16% 10%																								
Institutional Decisions																								
202019 302019 402019																								
to Buy 98 123 109																								
to Sell 85 83 103																								
Hld's(000) 13932 14003 13978																								
Percent shares traded																								
15 10 5																								
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																								
23.13 25.02 27.88 30.42 33.57 35.25 37.68 39.73 44.24 46.46 49.26 52.27 53.18 58.09 60.69 62.79 57.10 61.85 Sales per sh A 69.45																								
2.60 2.74 2.91 3.13 2.92 3.45 3.94 3.93 4.28 4.99 5.54 5.81 6.22 6.52 6.95 7.59 7.10 7.35 "Cash Flow" per sh 9.45																								
1.24 1.40 1.57 1.69 1.47 2.21 2.59 2.58 2.86 3.41 3.82 3.73 4.05 4.21 4.46 5.00 4.35 4.85 Earnings per sh A B 6.50																								
.. 25 30 34 .37 39 43 47 52 64 1.28 1.44 1.56 1.68 1.80 2.00 2.30 2.40 Div'd Decl'd per sh C 3.00																								
1.20 1.18 1.07 1.22 1.22 1.47 1.81 1.56 2.28 1.92 2.08 2.68 2.61 3.87 3.20 3.02 2.90 2.90 Cap'l Spending per sh 3.15																								
11.66 12.85 14.23 15.80 16.90 18.51 20.58 23.09 25.32 27.66 30.13 32.12 34.17 36.56 40.48 44.13 46.05 48.40 Book Value per sh D 57.65																								
18.01 18.27 18.47 18.70 18.75 18.53 18.49 18.73 18.78 18.68 18.67 18.68 18.67 18.66 18.75 18.90 19.00 19.00 Common Shs Outst'g E 19.00																								
16.2 17.7 20.0 22.5 20.6 16.1 16.2 18.3 18.7 20.9 23.8 28.8 27.9 30.7 32.0 32.3 32.3 Bold figures are Avg Ann'l P/E Ratio 30.0																								
86 94 108 119 124 107 103 115 119 117 125 145 146 154 173 175 Relative P/E Ratio 1.65																								
.. 1.0% 1.0% 9% 1.2% 1.1% 1.0% 1.0% 1.0% 9% 1.4% 1.3% 1.4% 1.3% 1.3% 1.2% Avg Ann'l Div'd Yield 1.3%																								
CAPITAL STRUCTURE as of 12/28/19																								
Total Debt \$ 9 mill Due in 5 Yrs \$ 9 mill																								
LT Debt \$ 6 mill LT Interest \$ 03 mill																								
Leases, Uncapitalized Annual rentals \$14.8 mill																								
No Defined Pension Benefit Plan																								
Pfd Stock None																								
Common Stock 18,918,943 shs																								
1/23/20																								
MARKET CAP: \$2.3 billion (Mid Cap)																								
CURRENT POSITION																								
2018 2019 12/28/19																								
(SMILL)																								
Cash Assets 132.5 243.5 170.3																								
Receivables 132.3 140.9 131.6																								
Inventory (FIFO) 112.9 116.2 125.8																								
Other 5.1 5.8 67.4																								
Current Assets 382.8 506.4 495.1																								
Accts Payable 69.6 72.0 71.9																								
Debt Due 3 3 3																								
Other 48.0 48.9 62.1																								
Current Liab. 117.9 121.2 134.3																								
ANNUAL RATES																								
Past Past Est'd 17-19																								
of change (per sh) 10 Yrs. 5 Yrs. to 23-25																								
Sales 6.0% 5.5% 2.5%																								
"Cash Flow" 8.5% 7.5% 5.0%																								
Earnings 10.0% 6.5% 6.0%																								
Dividends 17.5% 17.5% 8.5%																								
Book Value 9.0% 8.0% 6.0%																								
Fiscal Year																								
Ends																								
Dec.Per Mar.Per Jun.Per Sep.Per																								
2017 225.6 246.5 295.4 316.7 1084.2																								
2018 265.1 266.1 306.3 300.7 1138.3																								
2019 271.6 276.3 326.7 311.9 1186.5																								
2020 282.9 235 240 327.1 1085																								
2021 280 270 300 325 1175																								
Fiscal Year																								
Ends																								
Dec.Per Mar.Per Jun.Per Sep.Per																								
2017 72 85 134 129 4.21																								
2018 88 95 139 124 4.46																								
2019 93 108 163 136 5.00																								
2020 89 .95 1.20 1.31 4.35																								
2021 .95 1.05 1.40 1.45 4.85																								
Fiscal Year																								
Ends																								
Dec.Per Mar.Per Jun.Per Sep.Per																								
2017 72 85 134 129 4.21																								
2018 88 95 139 124 4.46																								
2019 93 108 163 136 5.00																								
2020 89 .95 1.20 1.31 4.35																								
2021 .95 1.05 1.40 1.45 4.85																								
Cal-endar																								
Mar.31 Jun.30 Sep.30 Dec.31																								
2016 39 39 39 39 1.56																								
2017 42 42 42 42 1.68																								
2018 45 45 45 45 1.80																								
2019 50 50 50 50 2.00																								
2020 575 575																								
BUSINESS: J&J Snack Foods Corp manufactures nutritional snack foods and distributes frozen carbonated and juice beverages mainly in the United States, Mexico and Canada. It sells to snack bars, food stands, fast food operators, stadiums, sports arenas, warehouse club stores, schools, colleges, movie theaters, and others. In addition, it sells various food products through a chain of specialty snack food retail outlets. Has 4,600 employees. Officers/directors own 21% of company, BlackRock Fund Advisors, 11%, The Vanguard Group, 9%, (12/19 proxy) Incorporated New Jersey Chairman, Chief Executive Officer & President Gerald B Schreiber Address 6000 Central Highway, Pennsauken, New Jersey 08109 Telephone 856-665-9533 Internet www.jjsnack.com																								
J&J Snack Foods opened up fiscal 2020 (began September 29, 2019) on a mixed note. Fiscal first-quarter (ended December 28th) sales rose 4%, year to year, to \$282.9 million, thanks to growth in the core Food Service unit (65% of sales) stemming from new product launches, price hikes, and volume increases. Too, the Frozen Beverages segment (16% of sales) benefited from the October-addition of ICEE Distributors. That said, share net was down 4%, to \$0.89, due to the absence of a tax benefit related to the Tax Cuts and Job Act which benefited last year's EPS by \$0.05 a share. Too, lost distribution in the Retail segment didn't help. The coronavirus outbreak will likely have a material impact on performance. Management anticipates the shut-down of large segments of the U.S. economy (as an effort to limit the spread of the contagion) will loom large on sales and operations. Moreover, J&J Snack Foods noted that one third of its annual sales tally is typically driven by sports and entertainment venues as well as school events. However, with the extended order of shut-downs for non-essential businesses along with a mandate for social distancing, the company now expects to experience a considerable amount of lost sales. While the effects of panic buying may increase sales to grocers and other retailers, the overall impact will still be negative as the COVID-19 timeline is uncertain. As a result, we have slashed our fiscal 2020 top- and bottom-lines by \$135 million and \$0.85 a share, to \$1.085 billion and \$4.35, respectively. We look for a partial top- and bottom-line recovery next year. We are cautiously optimistic that the current challenges will be short term in nature, and J&J Snack Foods will benefit from new items being added to the portfolio. Additionally, the Retail division should gain from repackaging initiatives that are part of its comprehensive marketing program. What's more, further M&A opportunities are possible. All told, we look for fiscal 2021 sales and share net to reach \$1.175 billion and \$4.85 a share, respectively. These shares are untimely. Furthermore, 3- to 5-year recovery potential is subpar. Oriatal J. Haiby April 17, 2020																								

McCORMICK

NYSE-MKC

RECENT PRICE

152.01

P/E RATIO

29.1

(Trailing: 28.6  
Median: 22.0)

RELATIVE P/E RATIO

2.17

DIV YLD

1.6%

VALUE LINE

TIMELINESS

3

Lowered 5/17/19

SAFETY

1

Raised 5/1/09

TECHNICAL

3

Lowered 3/20/20

BETA

70

(1.00 = Market)

18-Month Target Price Range

Low-High

Midpoint (% to Mid)

\$148-\$238

\$193 (25%)

2023-25 PROJECTIONS

Ann'l Total

Price Gain

190 (+25%)

Low 155 (Nil)

7% 2%

Institutional Decisions

202019 202019 402019

To Buy 335 360 384

To Sell 394 367 379

Hld's(000) 107102 106633 104121

Percent

shares

traded

30

20

10

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

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23-25

18.60

19.55

20.88

22.82

24.42

24.22

25.07

27.79

30.26

31.44

33.08

33.75

35.21

36.90

40.95

40.24

41.25

42.50

Sales per sh <sup>A</sup>

48.10

2.10

2.24

2.45

2.64

2.83

3.06

3.39

3.55

3.85

4.00

4.24

4.36

4.73

5.13

6.16

6.59

6.50

6.95

"Cash Flow" per sh

8.40

1.51

1.61

1.72

1.92

2.14

2.34

2.65

2.79

3.04

3.13

3.37

3.48

3.78

4.26

4.97

5.35

5.25

5.70

Earnings per sh <sup>A</sup>

7.00

56

64

72

80

88

96

1.04

1.12

1.24

1.36

1.48

1.60

1.72

1.88

2.08

2.28

2.48

2.56

Div'ds Decl'd per sh <sup>A</sup>

2.88

51

56

65

61

66

63

67

73

83

76

1.03

1.01

1.23

1.39

1.28

1.31

1.50

1.50

Cap'l Spending per sh

1.70

6.55

6.03

7.17

8.49

8.11

10.13

10.99

12.16

12.81

14.85

14.11

13.12

12.98

19.54

24.00

25.92

28.70

31.75

Book Value per sh <sup>D</sup>

41.80

135.79

132.60

130.10

127.80

130.10

131.80

133.10

133.05

132.68

131.16

128.27

127.30

125.30

131.00

132.10

132.90

133.00

133.50

Common Shs Outst'g <sup>E</sup>

133.00

22.0

21.3

20.0

19.4

17.2

13.7

14.8

17.1

18.7

22.0

20.6

22.5

25.1

22.9

23.3

28.3

28.3

Avg Ann'l P/E Ratio

24.5

1.16

1.13

1.08

1.03

1.04

91

94

1.07

1.19

1.24

1.08

1.13

1.32

1.15

1.26

1.54

1.54

Avg Ann'l Div'd Yield

1.35

1.7%

1.9%

2.1%

2.2%

2.4%

3.0%

2.6%

2.3%

2.2%

2.0%

2.1%

2.0%

1.8%

1.9%

1.8%

1.5%

1.7%

Avg Ann'l Div'd Yield

1.7%

CAPITAL STRUCTURE as of 2/29/20

Total Debt \$4441.8 mill Due in 5 Yrs \$2.74 bill

LT Debt \$3627.9 mill LT Interest \$146 mill

(Long-term interest earned 6.8%) (50% of Cap'l)

Leases, Uncapitalized Annual rentals \$41.8 mill

Pension Assets-11/19 \$1012.8 mill

Oblig. \$1230.4 mill

3336.8

3697.6

4014.2

4123.4

4243.2

4296.3

4411.5

4834.1

5408.9

5347.4

5485

5675

Sales (\$mill) <sup>A</sup>

6400

18.1%

17.3%

17.0%

16.9%

16.8%

16.8%

17.4%

18.4%

20.2%

21.3%

20.8%

21.3%

Operating Margin

22.5%

95.1

98.3

102.8

106.0

102.7

105.9

108.7

125.2

150.7

158.8

160

165

Depreciation (\$mill)

180

356.3

374.2

407.8

418.2

441.6

449.5

483.4

546.7

663.0

717.5

705

765

Net Profit (\$mill)

940

28.5%

29.0%

26.6%

26.8%

26.3%

26.2%

25.8%

23.8%

15.3%

19.5%

21.0%

21.0%

Income Tax Rate

22.0%

10.7%

10.1%

10.2%

10.1%

10.4%

10.5%

11.0%

11.3%

12.3%

13.4%

12.9%

13.5%

Net Profit Margin

14.7%

181.1

229.6

97.8

307.1

294.2

166.3

9

d330.3

d521.8

d604.2

d475

d275

Working Cap'l (\$mill)

775

779.9

1029.7

779.2

1019.0

1014.1

1052.7

1054.0

4443.9

4052.9

3625.8

3600

3500

Long-Term Debt (\$mill)

4000

1462.7

1618.5

1700.2

1947.7

1809.4

1670.2

1626.6

2559.9

3170.9

3444.2

3815

4235

Shr Equity (\$mill)

5560

17.0%

15.1%

17.5%

15.0%

16.5%

17.5%

19.1%

8.5%

10.3%

11.2%

10.5%

10.5%

Return on Total Cap'l

10.5%

24.4%

23.1%

24.0%

21.5%

24.4%

26.9%

29.7%

21.4%

20.9%

20.8%

18.5%

18.0%

Return on Shr. Equity

17.0%

14.9%

13.9%

14.3%

12.2%

13.8%

14.6%

16.3%

12.1%

12.3%

12.1%

9.5%

10.0%

Retained to Com Eq

10.0%

39%

40%

40%

43%

44%

46%

45%

43%

41%

42%

47%

45%

All Div'ds to Net Prof

41%

BUSINESS:

McCormick & Company, Inc. is a leading manufacturer, marketer, and distributor of spices, seasonings, flavorings, mixes, condiments for the consumer, industrial, and foodservice markets. Has two segments Consumer (accounted for 61% of total sales in fiscal 2019) and Flavor Solutions (39%). Acquired Reckitt Benckiser's Food Division (French's Mustard and Frank's RedHot

lines) 8/17, Ennio Giotto SpA, 12/16 Foreign operations comprise 40% of sales in fiscal 2019. Has about 12,400 employees. Off/di/ own 12.7% of common stock, Lawrence E. Kurzius, 5.2% (2/20 Proxy). Chrmn., CEO & Pres Lawrence E. Kurzius Inc.: MD. Addr 24 Schilling Road, Suite 1, Hunt Valley, Maryland 21031 Telephone 410-771-7301 Internet. www.mccormick.com

McCormick reported mostly disappointing fiscal first-quarter (ended February 29th) results. Specifically, the spice maker earned \$1.08 a share, which fell short of our estimate of \$1.10 and the previous-year tally of \$1.12, on a 2% sales decline. The primary culprit was reduced business in China, as that nation battled the COVID-19 virus. Given the growing uncertainty, as the coronavirus pandemic has spread across the United States and Europe, the company has pulled its guidance; MKC hopes to have an updated outlook at the end of the second quarter.

We are now estimating a bottom-line retreat for fiscal 2020. There is no doubt that the company will feel the ill effects of the COVID-19 pandemic, but we expect McCormick's business model to hold up better than those of many other industries. On its latest earnings conference call, CEO Lawrence Kurzius noted that the company is experiencing an "unprecedented surge in demand," as the grocery stores and supermarkets McCormick serves are re-stocking shelves following the frantic rush by consumers to purchase products used to cook at home. Conversely,

the company's Flavor Solutions unit will likely take a big hit, as it does a good deal of business with the ravished restaurants and foodservice industries. These two factors may well serve as offsets to each other over the next few quarters, as the nation battles the coronavirus.

Despite the pullback in price since our mid-January report, we think McCormick shares should still be viewed as a solid defensive investment during these turbulent times. The stock offers many of the attributes investors value during difficult stretches for the broader market. The company's Financial Strength rating is A+ and the stock, which has a less-than-market Beta coefficient of 0.70, is ranked 1 (Highest) for Safety. These scores reflect the company's financial strength, stable cash flow generation, and access to liquidity when needed. Investors should also note that during the 2001-2002 and 2008-2009 recessions, McCormick's consumer sales grew 4% and 3%, respectively, which, we think, provides a measure of downside operating risk protection during periods of economic stress.

William G. Ferguson April 17, 2020

QUARTERLY SALES (\$mill.)<sup>A</sup>

Fiscal Ends

Feb.28

May.31

Aug.31

Nov.30

Full Fiscal Year

2017

1043.7

1114.3

1185.2

1490.9

4834.1

2018

1237.1

1327.3

1345.3

1499.2

5408.9

2019

1231.5

1301.9

1329.2

1484.8

5347.4

2020

1300

1350

1370

1553

5485

2021

1300

1375

1400

1600

5675

EARNINGS PER SHARE<sup>A,B</sup>

Fiscal Ends

Feb.28

May.31

Aug.31

Nov.30

Full Fiscal Year

2017

76

82

112

154

4.26

2018

1.00

1.02

1.28

1.67

4.97

2019

1.12

1.16

1.46

1.61

5.35

2020

1.08

1.13

1.40

1.64

5.25

2021

1.15

1.25

1.52

1.78

5.70

QUARTERLY DIVIDENDS PAID<sup>C</sup>

Cal-endar

Mar.31

Jun.30

Sep.30

Dec.31

Full Year

2016

43

43

43

43

1.72

2017

47

47

47

47

1.88

2018

52

52

52

52

2.08

2019

57

57

57

57

2.28

2020

62

(A) Fiscal year ends Nov. 30th. (B) Diluted earnings Excl nonrecurring gains/(losses) '04,(1¢), '05, (3¢), '06, (12¢), '07, (19¢); '13, (22¢), '14, (3¢), '17, (54¢), '18, \$2.03, '19, (11¢). Next earnings report due late June Earnings may not add due to rounding (C) Divs historically paid in mid-Jan , Apr , July & Oct ▪ Div'd reinvestment plan available	(D) Includes intangibles in fiscal 2019 \$7346.8 million, \$54.10/sh (E) In mill , adjusted for split.	Company's Financial Strength Stock's Price Stability Price Growth Persistence Earnings Predictability	A+ 90 85 100
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ALTRIA GROUP, INC. NYSE-MO										RECENT PRICE	37.28	P/E RATIO	8.9	(Trailing: 8.9 Median: 16.0)	RELATIVE P/E RATIO	0.66	DIV'D YLD	9.0%	VALUE LINE																					
TIMELINESS	3	Raised 3/27/20	High	Low	20 5	26 2	30 4	36 3	38 6	51 7	61 7	70 1	77 8	71 9	57 9	51 8			Target Price Range																					
SAFETY	3	Lowered 4/17/20	LEGENDS																2023	2024	2025																			
TECHNICAL	4	Lowered 3/27/20	15.0 x "Cash Flow" p sh																																					
BETA	70	(1.00 = Market)	Relative Price Strength																																					
			Options: Yes																																					
			Shaded area indicates recession																																					
18-Month Target Price Range			F G																																					
Low-High Midpoint (% to Mid)																																								
\$42-\$68 \$55 (50%)																																								
2023-25 PROJECTIONS																																								
Price Gain Ann'l Total																																								
High Low 105 (+180%) 35%																																								
Low 70 (+90%) 22%																																								
Institutional Decisions																																								
202019 3Q2019 4Q2019																																								
to Buy 722 625 752																																								
to Sell 845 918 840																																								
Hld's(000) 1195017 1181212 1190093																																								
Percent shares traded																																								
2004 2005 2006 2007 2008 <sup>H</sup> 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021			© VALUE LINE PUB. LLC 23-25																																					
43.51	46.93	48.36	35.02	9.39	11.35	11.66	11.64	12.25	12.27	12.45	12.98	13.25	13.45	13.53	13.51	13.40	13.75	Sales per sh	15.30																					
5.35	5.92	6.59	4.81	1.78	1.89	2.00	1.78	2.19	2.38	2.68	2.79	3.15	3.55	4.14	4.37	4.35	4.75	"Cash Flow" per sh	5.70																					
4.57	5.15	5.76	4.36	1.66	1.76	1.87	1.64	2.06	2.26	2.56	2.67	2.73	3.39	3.99	4.22	4.20	4.60	Earnings per sh <sup>A</sup>	5.55																					
2.82	3.06	3.32	3.16	1.68	1.32	1.46	1.58	1.70	1.84	2.08	2.17	2.35	2.54	3.00	3.28	3.38	3.60	Div'ds Decl'd per sh <sup>B</sup>	4.45																					
93	1.06	1.17	2.10	12	13	08	05	06	07	08	12	10	10	13	13	.15	.15	Cap'l Spending per sh	.15																					
14.91	17.13	18.89	8.80	1.37	1.96	2.49	1.80	1.58	2.07	1.53	1.47	6.57	8.09	7.89	3.35	3.50	3.70	Book Value per sh <sup>C</sup>	4.60																					
2059.5	2085.0	2097.1	2107.7	2061.4	2076.0	2088.7	2044.4	2009.9	1993.5	1969.3	1960.1	1943.3	1901.3	1874.1	1858.0	1850.0	1840.0	Common Shs Outst'g <sup>D</sup>	1725.0																					
11.4	13.2	13.4	16.3	11.9	9.9	11.8	16.2	15.7	15.7	16.5	20.1	23.4	20.6	15.1	11.6	6.7%	6.7%	Avg Ann'l P/E Ratio	16.0																					
60	70	72	87	72	66	75	1.02	1.00	88	87	1.01	1.23	1.04	82	63	63	63	Relative P/E Ratio	.90																					
5.4%	4.5%	4.3%	4.5%	8.5%	7.6%	6.6%	6.0%	5.3%	5.2%	4.9%	4.0%	3.7%	3.6%	5.0%	6.7%	6.7%	6.7%	Avg Ann'l Div'd Yield	5.0%																					
CAPITAL STRUCTURE as of 12/31/19																			24363	23800	24618	24466	24522	25434	25744	25576	25364	25110	24800	25300	Sales (\$mill)	26400								
Total Debt \$28042 mill Due in 5 Yrs \$10500 mill																			25.8%	26.5%	30.5%	34.1%	31.9%	33.1%	35.5%	38.3%	41.7%	42.7%	43.0%	45.0%	Operating Margin	47.0%								
LT Debt \$27042 mill LT Interest \$1250 mill																			276.0	253.0	225.0	212.0	208.0	225.0	204.0	209.0	227.0	226.0	230	230	Depreciation (\$mill)	250								
(Total interest coverage 8.6x) (81% of Cap'l)																			3905.0	3390.0	4180.0	4535.0	5070.0	5243.0	5925.0	6531.0	7539.0	7895.9	7805	8520	Net Profit (\$mill)	9615								
Pension Assets-12/19 \$8.2 bill Oblig. \$8.7 bill																			31.7%	39.2%	35.4%	34.7%	34.8%	35.1%	56.2%	33.5%	23.1%	23.8%	24.0%	24.0%	Income Tax Rate	24.0%								
Pfd Stock None																			16.0%	14.2%	17.0%	18.5%	20.7%	20.6%	23.0%	25.5%	29.7%	31.4%	31.5%	33.7%	Net Profit Margin	36.4%								
Common Stock 1,857,981,554 shs																			d859.0	d512.0	d1936	d468.0	d795.0	d992.0	d115.0	d2448	d16894	d3350	d3500	d3650	Working Cap'l (\$mill)	d4035								
MARKET CAP: \$69.3 billion (Large Cap)																			12194	13089	12419	13992	13693	12915	13881	13030	11898	27042	27000	27000	Long-Term Debt (\$mill)	25000								
CURRENT POSITION <sup>E</sup> 2017 2018 12/31/19																			5192.0	3680.0	3168.0	4119.0	3014.0	2880.0	12770	15377	14787	6222.0	6500	6800	Shr. Equity (\$mill)	7900								
(\$MILL.)																			25.7%	23.7%	30.4%	27.9%	32.8%	35.8%	23.6%	24.2%	29.4%	25.5%	23.5%	25.0%	Return on Total Cap'l	29.0%								
Cash Assets																			75.2%	92.1%	131.9%	110.1%	168.2%	182.0%	46.4%	42.5%	51.0%	NMF	NMF	NMF	Return on Shr. Equity	NMF%								
Receivables																			18.2%	4.6%	24.6%	22.4%	39.1%	36.9%	11.1%	11.2%	14.4%	29.4%	24.0%	27.5%	Retained to Com Eq	24.5%								
Inventory (LIFO)																			76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%	All Div'ds to Net Prof	80%								
Other																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Current Assets																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Accts Payable																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Debt Due																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Other																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Current Liab																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
ANNUAL RATES																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Past 10 Yrs. Past 5 Yrs. Est'd '17-'19																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
of change (per sh)																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Sales																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
"Cash Flow"																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Earnings																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Dividends																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Book Value																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Cal-endar																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
QUARTERLY SALES (\$ mill.)																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Mar.31 Jun.30 Sep.30 Dec.31																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2017 6083 6663 6729 6101																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2018 6108 6305 6837 6114																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2019 5628 6619 6856 6007																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2020 5600 6400 6800 6000																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2021 5700 6600 6900 6100																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Cal-endar																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
EARNINGS PER SHARE <sup>A</sup>																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Mar.31 Jun.30 Sep.30 Dec.31																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2017 72 85 90 91																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2018 95 101 108 95																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2019 90 110 119 102																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2020 .95 1.00 1.20 1.05																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2021 1.05 1.15 1.30 1.10																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Cal-endar																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
QUARTERLY DIVIDENDS PAID <sup>B</sup>																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
Mar.31 Jun.30 Sep.30 Dec.31																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2016 .565 565 565 61																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2017 .61 61 61 66																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2018 .66 70 70 80																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2019 .80 80 80 84																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%
2020 .84 84																													76%	95%	81%	80%	77%	80%	76%	74%	72%	77%	80%	78%

Business: Altria Group, Inc. is the parent company of Philip Morris USA, John Middleton and Philip Morris Capital Corp. In 2020, the company operated 3 segments Cigarettes (90% of operating profits) include *Marlboro*, *Benson & Hedges*, *Ment*, *Virginia Slims*, *Smokeless products* (8%), *Other* (2%). Sold *Miller*, 6/02 Has a 10.2% interest in *Anheuser-Busch In Bev* Acq'd *Nabisco*, 12/00, *Spun-off Kraft*, 4/07, *Spun-off Philip Morris Int'l*, 3/08, Acq'd, *UST*, 1/09 Has 8,300 employees Vanguard Group owns 7.8% of common shares, Vanguard Group owns 8.1%, officers and directors own less than 1.0% (4/20 proxy) Chairman & CEO Howard A Willard III Inc VA Address 6801 W Broad Street, Richmond, Virginia 23230 Telephone 804-274-2200 Internet: [www.altria.com](http://www.altria.com).

Altria Group is well prepared to navigate the current challenging environment. Since our last full-page review in January, things have changed—quite drastically—for both the *Marlboro* maker and the world at large. The COVID-19 (coronavirus) pandemic has shut down wide swathes of the global economy, with many countries ordering businesses to close and consumers to remain in their homes. Economic conditions in the United States, where Altria generates nearly all of its sales, have deteriorated quite rapidly over the past few weeks. While recent channel checks suggest cigarette demand has held up fairly well, we think this will change as more restrictive measures are adopted to combat the virus and as more people lose their jobs because of the deteriorating economic conditions. Accordingly, we are lowering our 2020 share-net estimate by \$0.30 (now at \$4.20), to account for these factors. We think most of the damage will take place in the months ahead, with our models suggesting an earnings decline of around 9% in Q2 versus last year. Business should then rebound by the third quarter, as conditions slowly start to normalize.

In other news, the Federal Trade Commission has filed an administrative complaint against Altria. The agency alleges that Altria's 35% stake in JUUL Labs eliminated competition in violation of antitrust laws. More specifically, FTC officials believe that Altria's decision to pull its own e-cigarettes from the market shortly after the JUUL transaction met the definition of collaboration between two competitors. The agency is now suing Altria to try to unwind the agreement. The company is expanding its test market for IQOS to a third market. IQOS is an electronic cigarette device that was created by Philip Morris International and has since been licensed to Altria for the exclusive right to sell in the United States. The product has been a hit overseas, particularly in Asia and Europe, and is now being rolled out to the U.S. market. These shares are worth a closer look. The recent price dip has created an attractive entry point, in our view. Income-oriented accounts may want to start nibbling at these levels.

Daniel Henigson, CFA

April 17, 2020



[illegible]

**A) Diluted earnings** Excl non-recurring gains/(losses): '04, (50¢); '05, (44¢), '07, \$1.55, '13, \$1.65 Next earnings report due mid-July.

(B) Dividends historically paid in first week of January, April, July, and October Special cash dividend of \$ 90 a share paid in 4Q, 2012

(C) Incl intangibles At 3/31/20, \$131.1 mill.

\$11.91/share  
(D) In millions

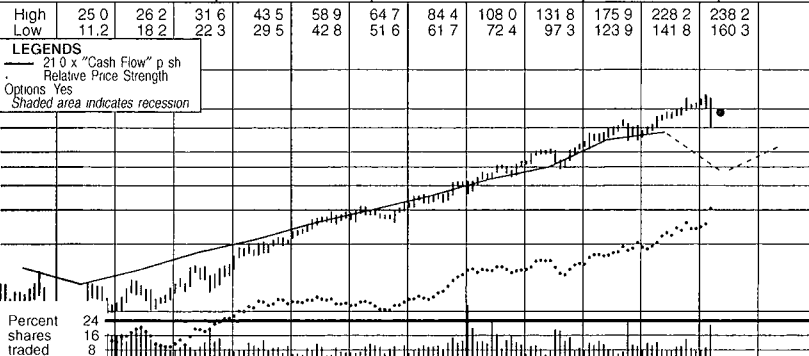
Company's Financial Strength	A
Stock's Price Stability	95
Price Growth Persistence	65
Earnings Predictability	90

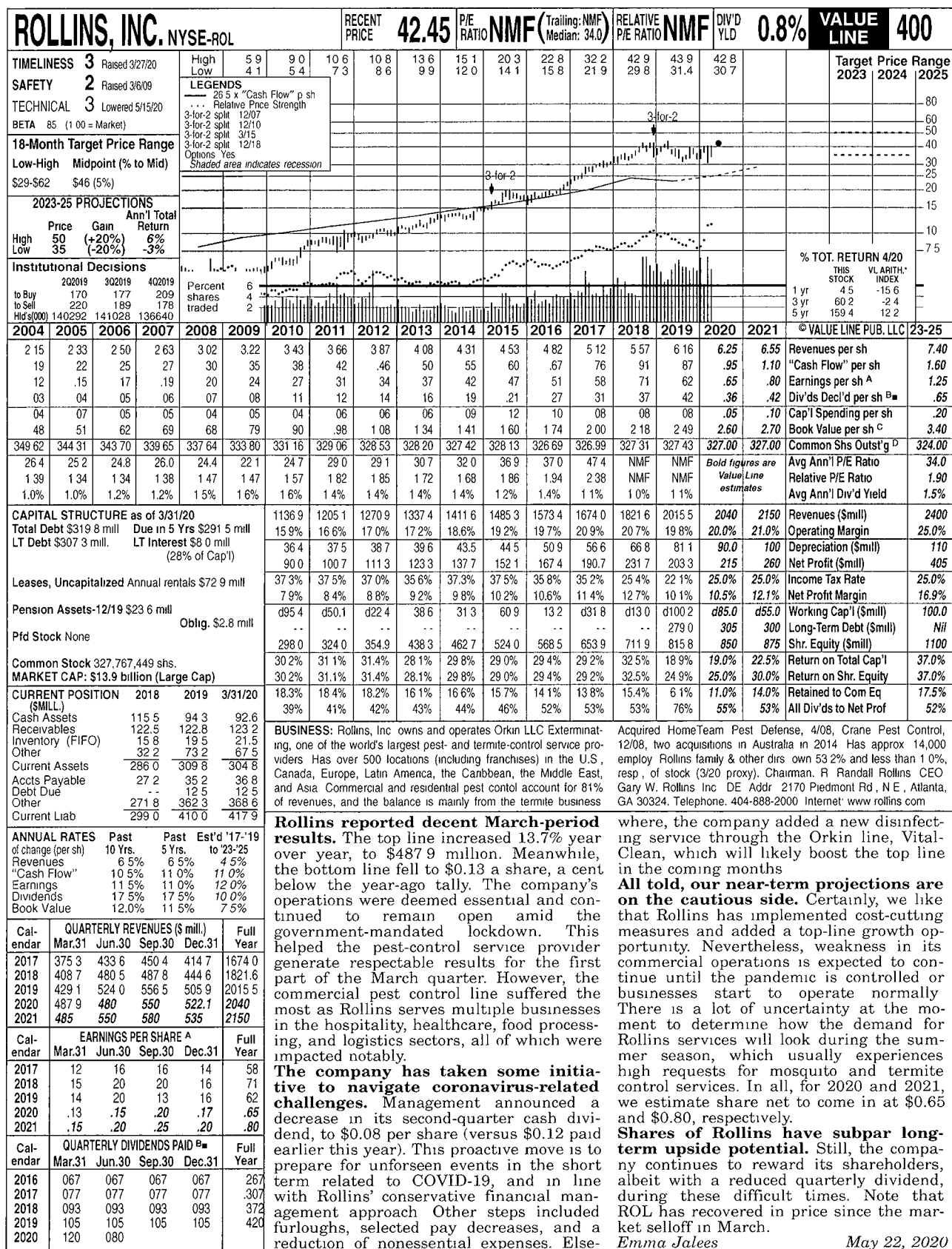
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POOL CORP. NDQ-POOL										RECENT PRICE	P/E RATIO	(Trailing: 29.9 Median: 25.0)	RELATIVE P/E RATIO	DIV'D YLD	1.1%	VALUE LINE	Target Price Range							
TIMELINESS	1	Raised 3/27/20	High	Low	25 0	26 2	31 6	43 5	58 9	64 7	84 4	108 0	131 8	175 9	228 2	238 2								
SAFETY	2	Raised 8/4/17	LEGENDS																					
TECHNICAL	1	Raised 4/24/20	21.0 x "Cash Flow" p sh																					
BETA	90	(1.00 = Market)	Options Yes																					
18-Month Target Price Range			Shaded area indicates recession																					
Low-High Midpoint (% to Mid)																								
\$175-\$272 \$224 (15%)																								
2023-25 PROJECTIONS																								
Price Gain Ann'l Total																								
High Low 220 160																								
Institutional Decisions																								
202019 302019 402019																								
to Buy 201 177 200																								
to Sell 156 188 169																								
Hld's(000) 38395 38160 37652																								
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	© VALUE LINE PUB. LLC	23-25					
25.12	29.64	37.50	40.58	36.99	31.43	32.75	37.86	42.20	46.20	51.50	55.33	62.57	69.34	75.89	79.84	71.50	79.50	Revenues per sh	100.00					
1.48	1.78	2.12	1.75	1.44	1.19	1.40	1.73	2.02	2.46	2.87	3.39	4.12	4.75	6.60	7.22	4.45	6.20	"Cash Flow" per sh	8.70					
1.19	1.50	1.74	1.37	1.18	.95	1.15	1.47	1.71	2.05	2.44	2.90	3.47	3.99	5.62	6.40	3.80	5.50	Earnings per sh <sup>A</sup>	7.90					
20	34	41	47	51	52	52	55	62	73	85	100	119	142	172	210	2.20	2.40	Div'ds Decl'd per sh <sup>C</sup>	2.80					
.12	.16	.29	.22	.15	.15	.16	.41	.35	.42	.40	.68	.84	.98	.80	.83	.80	.80	Cap'l Spending per sh	.90					
4.22	5.21	5.45	4.39	5.01	5.15	5.79	5.91	6.08	6.36	5.60	5.99	4.99	5.55	5.66	10.24	10.50	11.00	Book Value per sh <sup>B</sup>	14.75					
52.19	52.39	50.93	47.52	48.22	48.99	49.28	47.37	46.30	45.01	43.62	42.71	41.09	40.21	39.51	40.07	40.00	40.00	Common Shs Outst'g <sup>D</sup>	38.00					
22.9	23.0	23.9	23.7	16.9	19.3	18.8	18.4	22.3	25.2	23.7	24.6	26.4	28.9	26.5	28.8	Bold figures are	Bold figures are	Avg Ann'l P/E Ratio	24.0					
1.21	1.22	1.29	1.26	1.02	1.29	1.20	1.15	1.42	1.42	1.25	1.24	1.39	1.45	1.43	1.56	Value Line	Value Line	Relative P/E Ratio	1.35					
7%	1.0%	1.0%	1.4%	2.6%	2.8%	2.4%	2.0%	1.6%	1.4%	1.5%	1.4%	1.3%	1.2%	1.2%	1.1%	estimates	estimates	Avg Ann'l Div'd Yield	1.5%					
CAPITAL STRUCTURE as of 12/31/19										1613.8	1793.3	1954.0	2079.7	2246.6	2363.1	2570.8	2788.2	2998.1	3199.5	2860	3180	Revenues (\$mill)	3800	
Total Debt \$511.4 mill Due in 5 Yrs \$373.7 mill										7.0%	7.5%	8.4%	8.6%	9.1%	9.8%	10.7%	11.1%	11.3%	11.5%	9.0%	10.0%	Operating Margin	11.0%	
LT Debt \$499.7 mill LT Interest \$20.0 mill										11.3	9.7	11.6	13.4	14.5	16.4	20.3	24.2	26.1	27.9	27.0	27.0	Depreciation (\$mill)	30.0	
(LT interest earned 17.1x, total interest coverage 14.2x)										57.6	72.0	82.0	97.3	110.7	128.3	149.0	167.0	234.5	261.6	150	220	Net Profit (\$mill)	300	
(55% of Cap'l)										39.2%	38.7%	41.0%	38.8%	38.9%	38.5%	38.5%	38.1%	20.1%	17.7%	22.0%	22.0%	Income Tax Rate	22.0%	
Leases, Uncapitalized: Annual rentals \$51.6 mill										3.6%	4.0%	4.2%	4.7%	4.9%	5.4%	5.8%	6.0%	7.8%	8.2%	5.3%	6.9%	Net Profit Margin	7.9%	
No Defined Benefit Pension Plan										265.5	307.1	295.1	313.9	345.3	356.8	399.4	460.7	609.6	582.7	520	530	Working Cap'l (\$mill)	600	
Pfd Stock None										198.7	247.3	230.9	246.4	319.3	328.0	436.9	508.8	657.6	499.7	530	500	Long-Term Debt (\$mill)	500	
Common Stock 40,191,526 shs as of 2/21/20										285.2	279.7	281.6	286.2	244.4	255.7	205.2	223.1	223.6	410.2	420	440	440	Shr. Equity (\$mill)	560
MARKET CAP: \$7.7 billion (Large Cap)										12.5%	14.3%	16.5%	18.9%	20.3%	22.7%	24.3%	23.8%	27.7%	29.8%	16.0%	17.0%	Return on Total Cap'l	28.5%	
CURRENT POSITION										20.2%	25.7%	29.1%	34.0%	45.3%	50.2%	72.6%	74.9%	NMF	63.8%	35.5%	73.0%	Return on Shr. Equity	53.5%	
(MILL.)										11.2%	16.3%	18.8%	22.2%	29.9%	33.3%	48.3%	48.8%	73.8%	43.3%	15.0%	28.0%	Retained to Com Eq	34.5%	
Cash Assets										45%	37%	36%	35%	34%	34%	33%	35%	30%	32%	58%	44%	All Div'ds to Net Prof	35%	
Receivables										BUSINESS. Pool Corporation distributes swimming pool supplies, equipment and leisure products on the wholesale level. Offers maintenance, repair and replacement parts, packaged pool kits, construction materials, and complementary products. Operates customer service centers in North America and Europe. Acquired Automatic Rain Co., 10/05; General Pool & Spa Supply, 10/09. Has										about 4,500 employees. BlackRock, Inc. own 9% of the stock, Vanguard Group, 9%, Neuberger Berman, 5%, Officers & Directors, 4% (3/20 proxy) Chairman John E. Stokely, President & CEO Manuel J. Perez de la Mesa Incorporated Delaware Address 109 Northpark Blvd., Covington, Louisiana 70433 Telephone 985-892-5521 Internet www.poolcorp.com				
Inventory (FIFO)										Pool Corp. is likely to see a substantial setback in its financial results this year. The COVID-19 pandemic that has frozen U.S. economic activity in recent weeks is likely to severely impact the company's operations. The outbreak has hit retail sales hard, and Pool Corp.'s retail products are likely no exception. Furthermore, the pandemic has forced a halt to many construction projects, and the company's results have historically been linked to homebuilding activity. As a result, we expect Pool Corp. to see top- and bottom-line declines beginning in the first quarter (results were due to be released shortly after this Issue went to press). The drop should intensify sharply during the second quarter, followed by a partial recovery in the latter half of the year, pending progress against the outbreak.										more-normal levels by 2021. However, the economic damage from this crisis may lead to a prolonged lag in new home construction and discretionary consumer spending. These factors will likely prevent Pool Corp.'s revenues and earnings-per-share results from matching their 2019 records, and there is a chance these risk factors could lead to an outcome considerably worse than our estimates reflect.				
Other										Our newly initiated 2021 estimates reflect our expectation that the company will regain most of the lost ground next year. Pool Corp.'s operations are well positioned to benefit as the strictest physical distancing measures are pared. Thus, we expect the company's retail and construction-related revenues to return to										On the bright side, the company's long-term outlook remains positive. Pool Corp. rebounded strongly from its last major setback during the recession of 2007-2009. Indeed, the company has seen double-digit percentage annual earnings growth over the past decade. This performance has been driven by rising demand for swimming pool and outdoor living products, and we believe this underlying strength will help Pool Corp. resume its growth path as the current crisis abates. The timely stock's lofty valuation is our main cause for concern. Even after its recent price decline, the issue is priced for an optimistic long-term scenario that leaves little room for downside surprises.				
Current Assets										Adam J. Platt May 1, 2020														
Accts Payable																								
Debt Due																								
Other																								
Current Liab																								
ANNUAL RATES																								
Past 10 Yrs.																								
Revenues																								
"Cash Flow"																								
Earnings																								
Dividends																								
Book Value																								
Cal-endar																								
QUARTERLY REVENUES (\$mill.)																								



(A) Dil shs Excl nonrecurring gains '04, '05, '10, '09, '20 2017 excl. one-time tax impact  
(B) Div'd paid in mid-March, June, September, and December Excl. special div'd. \$0.08 paid 12/12, \$0.06 paid 12/13, \$0.07 paid 12/14,  
(C) Incl intang. In '19 \$68.60 mill., \$0.21/sh  
(D) In mill., adj. for stock splits

Company's Financial Strength A  
Stock's Price Stability 90  
Price Growth Persistence 95  
Earnings Predictability 90

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SELECTIVE INSUR. NDQ-SIG										RECENT PRICE	52.39	P/E RATIO	12.8	(Trailing: 12.1 Median: 15.0)	RELATIVE P/E RATIO	0.69	DIV'D YLD	1.8%	VALUE LINE	
TIMELINESS	3	Lowered 5/29/20	High	Low	23 3	18 9	19 0	20 3	28 3	27 7	37 9	44 0	62 4	67 2	81 4	70 9			Target Price Range	
SAFETY	3	New 7/27/90	LEGENDS 12 5 x Earnings p sh Relative Price Strength 2-for-1 split 2/07 Options Yes Shaded area indicates recession																	
TECHNICAL	3	Raised 5/8/20																		
BETA	85	(1.00 = Market)																		
18-Month Target Price Range																				
Low-High Midpoint (% to Mid)																				
\$44-\$95 \$70 (35%)																				
2023-25 PROJECTIONS																				
High	Price	Gain	Ann'l Total																	
Low	85	(+60%)	15%																	
	55	(+5%)	4%																	
Institutional Decisions																				
to Buy to Sell Hld s(000)																				
202019 302019 402019																				
115 145 124																				
106 114 142																				
47216 46248 46834																				
Percent shares traded																				
12 8 4																				
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																				
23 57 24 94 26 18 27 94 28 28 26 88 26 39 26 45 28 72 31 04 33 93 34 69 37 57 39 17 41 33 43 68 45 00 50 00																				
2 15 2 39 2 74 3 21 2 48 2 23 2 71 2 71 2 39 2 41 2 54 2 12 2 29 2 77 3 31 3 74 3 75 3 85																				
.70 1 21 97 25 d.26 d.04 d.44 d1.94 d1.14 61 1 29 2 64 2 74 2 72 2 07 2 84 1 60 4 00																				
1.80 2.24 2.30 2.22 1.43 1.39 1.35 34 59 1.65 2.17 2.70 2.75 3.12 3.66 4.40 4.10 4.55																				
35 40 44 49 52 52 52 52 52 53 57 61 66 74 83 .92 1.07																				
15 77 17 26 18 81 19 81 16 84 18 83 19 96 20 39 19 77 20 63 23 36 24 37 26 77 29 28 30 40 36 91 40 00 43 75																				
55 94 56 86 57 27 54 31 52 88 53 24 53 68 54 41 55 16 55 92 54 59 57 36 57 21 58 50 58 95 59 46 60 00 60 00																				
119% 142% 144% 122% 133% 80% 81% 80% 91% 117% 103% 124% 141% 172% 198% 190%																				
10 5 10 9 11 8 10 9 15 7 10 8 12 0 48 1 30 5 14 6 11 1 12 13 5 16 2 16 4 15 9																				
55 58 64 58 94 72 76 3 02 1 94 82 58 56 .71 81 89 86																				
1 9% 1 6% 1 6% 2 0% 2 3% 3 5% 3 2% 3 2% 2 9% 2 2% 2 2% 1 9% 1 6% 1 3% 1 2% 1 2%																				
CAPITAL STRUCTURE as of 3/31/20																				
Total Debt \$852.6 mill Due in 5 Yrs \$417.0 mill																				
LT Debt \$550.6 mill LT Interest \$32.5 mill.																				
(21% of Cap'l)																				
Leases, Uncapitalized \$8.3 million																				
Pension Assets-12/19 \$385 mill. Oblig. \$391 mill																				
Pfd Stock None																				
Common Stock 59,707,580 shs																				
as of 4/24/20																				
MARKET CAP: \$3.1 billion (Mid Cap)																				
FINANCIAL POSITION 2018 2019 3/31/20																				
(SMILL.)																				
Bonds 5310 2 6116 4 5965 7																				
Stocks 147 6 72 9 100 0																				
Mortgages - - - - -																				
Other 2494 9 2607 9 2909 4																				
Total Assets 7952 7 8797 2 8975 1																				
Unearned Prems 1431 9 1523 2 1514 6																				
Reserves 3893 9 4067 2 4103 6																				
Other 835 1 1011 8 1260 4																				
Total Liab 6160 9 6602 2 6878 6																				
ANNUAL RATES Past Past Est'd '17-'19																				
of change (per sh) 10 Yrs. 5 Yrs. to '23-'25																				
Premium Inc 4 0% 6 0% 4 0%																				
Invest Income 2 0% 6 0% 3 5%																				
Earnings 8 5% 20 5% 6 5%																				
Dividends 4 0% 7 5% 11 0%																				
Book Value 5 5% 8 5% 7 5%																				
Cal- NET PREM. EARNED (\$mill.) Full																				
Mar.31 Jun.30 Sep.30 Dec.31 Year																				
2017 560 9 568 0 572 1 590 0 2291 0																				
2018 591 8 604 8 614 3 625 3 2436 2																				
2019 632 6 642 6 653 6 668 4 2597 2																				
2020 651 7 675 6 680 6 693 3 2700																				
2021 735 7 750 7 755 7 760 3000																				
Cal- EARNINGS PER SHARE A Full																				
Mar.31 Jun.30 Sep.30 Dec.31 Year																				
2017 .86 68 72 86 3 12																				
2018 46 1 01 99 1 20 3 66																				
2019 90 1 16 97 1 37 4 40																				
2020 84 .97 .87 1 42 4 10																				
2021 1.15 1.15 1.05 1.20 4 55																				
Cal- QUARTERLY DIVIDENDS PAID B Full																				
Mar.31 Jun.30 Sep.30 Dec.31 Year																				
2016 15 15 15 16 61																				
2017 16 16 16 18 66																				
2018 18 18 18 20 74																				
2019 20 20 20 23 83																				
2020 23 23																				
2021 23																				
BUSINESS: Selective Insurance Group, Inc is a holding company for five property/casualty insurance companies (Main subsidiary Selective Insurance Company of America) Markets products primarily in the East and Midwest New Jersey accounted for 19% of premiums written in '19 Mix of 2019 premiums written. personal lines, 20%, commercial lines, 80% Commercial premiums by industry (as percentage of total) automobile, 26%, general liability, 32%, workers' compensation, 17%, other, 25% Has about 2,400 employees Officers/directors own 2 0% of common stock, Black-Rock, 11.7% (4/20 Proxy) Chairman, Pres & CEO John J. Marchionni Inc. NJ Address: 40 Wantage Ave., Branchville, NJ 07890 Telephone 973-948-3000 Internet www.selective.com																				
Selective Insurance Group's bottom line will likely take a step backward this year. Like many of its peers, the recent COVID-19 pandemic has greatly impacted the company's operating fundamentals. In that vein, reserves have been increased to offset the spike in claims from small business liability and workers' compensation coverages. Meanwhile, the expense ratio has recorded a considerable uptick, with uncollectible premiums and higher policy cancellations hurting underwriting results. Moreover, a combination of volatile equity markets and weak interest rates has kept a tight lid on investment returns. Therefore, we have chosen to reduce our 2020 EPS outlook by \$0.35, to \$4.10.																				
We think the insurer will dust itself off and get back on the horse in 2021. Though management feels an economic downturn will probably place pressure on top-line expansion, overall policy retention levels should remain solid. Furthermore, earlier loss activity ought to provide Selective with enhanced negotiating leverage during the upcoming policy renewal season (where meaningful rate hikes should																				
take place). Leadership has also mentioned that standard commercial line coverages will likely be little affected, since these policies require physical loss or property damage to trigger an approved claim. We also believe that firmer equity markets and lower catastrophe loss levels will support better profitability next year. All told, our 2021 share-net call checks in at \$4.55																				
The insurer seems to be on good footing from a liquidity standpoint. The company raised its short-term borrowings by \$302 million in March out of an abundance of caution, which includes a \$50 million drawdown of its credit line and \$252 million in loans from the Federal Home Loan Bank facilities. These funds ought to be repaid in the coming quarters as markets normalize and regulatory/economic uncertainty declines.																				
These neutrally ranked shares do not merit much investment attention at this juncture. The issue offers lackluster appreciation potential three to five years hence. Too, SIGI's dividend yield fails to impress. In our view, most accounts would do well to look elsewhere, for now.																				
Kenneth J. DeFranco, Jr. June 5, 2020																				



(A) Fiscal year ends the Friday closest to on June 30th	not sum due to rounding Next earnings report due early August	(D) Includes intangibles: In 2019: \$1312 0 million, \$34 58/sh	Company's Financial Strength	A
(B) Diluted earnings Excl nonrecurr gain (losses) '04, (4c), '17, (\$0 31): '18, \$0 53 Mav	(C) Dividends paid in early March, June, September and December	(E) In millions	Stock's Price Stability	90
			Price Growth Persistence	65
			Earnings Predictability	75

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TETRA TECH, INC. NDQ-TTEK										RECENT PRICE	71.60	P/E RATIO	22.3	(Trailing: 21.4 Median: 18.0)	RELATIVE P/E RATIO	1.27	DIV'D YLD	0.9%	VALUE LINE	413		
TIMELINESS	2	Raised 7/19/19	High	Low	32.0	28.2	25.5	28.0	31.5	30.9	28.2	44.3	50.9	72.6	90.3	99.3			Target Price Range	2023	2024	2025
SAFETY	3	New 12/18/98	LEGENDS																			
TECHNICAL	1	Raised 5/22/20	17.0 x "Cash Flow" p/sh																			
BETA	90	(1.00 = Market)	Options Yes																			
18-Month Target Price Range																						
Low-High Midpoint (% to Mid)																						
\$63-\$132 \$98 (35%)																						
2023-25 PROJECTIONS																						
Price Gain Ann'l Total																						
High Low 110 70 (+55%) (Nil) 12% 1%																						
Institutional Decisions																						
202019 302019 402019																						
to Buy 155 169 144																						
to Sell 155 168 176																						
Hld's(000) 47930 46695 46953																						
Percent shares traded																						
2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																						
17.95 15.76 16.62 17.35 20.80 22.63 23.65 28.68 31.68 31.57 29.72 28.94 33.82 36.40 39.76 43.79 44.45 49.45																						
75 41 88 1.03 1.33 1.66 1.78 2.33 2.53 1.68 2.60 2.46 2.74 3.03 3.40 3.76 3.80 4.55																						
41 12 .66 79 1.02 1.22 1.23 1.43 1.63 70 1.66 1.66 1.88 2.13 2.64 3.17 3.15 3.80																						
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --																						
32 17 20 23 30 32 35 30 39 43 31 41 21 17 18 30 30 35																						
7.06 5.34 6.15 7.12 8.54 10.55 12.11 13.68 15.96 15.56 16.17 14.42 15.24 16.62 17.47 18.13 20.20 22.75																						
56.31 57.05 57.68 58.39 59.88 61.26 61.76 62.50 63.84 64.13 62.59 59.38 57.04 55.87 55.35 54.57 54.00 53.00																						
48.1 NMF 25.9 24.5 22.1 19.7 18.6 15.9 15.0 37.7 16.5 15.4 15.6 19.9 20.6 21.0 21.0 20.0																						
2.54 NMF 1.40 1.30 1.33 1.31 1.18 1.00 .95 2.12 87 78 82 100 111 115 115 115																						
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --																						
CAPITAL STRUCTURE as of 3/29/20																						
Total Debt \$345.5 mill Due in 5 Yrs \$345.5 mill.																						
LT Debt \$333.0 mill LT Interest \$12.0 mill																						
(Total int. earned 19.2x) (27% of Cap'l)																						
Leases, Uncapitalized Annual rentals \$71.3 mill																						
Pension Assets-9/19: \$30.4 mill																						
Oblig \$29.5 mill																						
Common Stock 54,026,070 shs as of 4/22/20																						
MARKET CAP: \$3.9 billion (Mid Cap)																						
CURRENT POSITION 2018 2019 3/29/20																						
(MILL.)																						
Cash Assets 146.2 120.7 135.0																						
Receivables 837.1 768.8 660.6																						
Other 67.1 190.3 206.4																						
Current Assets 1050.4 1079.8 1002.0																						
Accts Payable 160.2 206.6 120.6																						
Debt Due 12.6 12.6 12.5																						
Other 445.3 550.8 602.7																						
Current Liab. 618.1 770.0 735.8																						
ANNUAL RATES Past Past Est'd 17-'19																						
of change (per sh) 10 Yrs. 5 Yrs. to 23-'25																						
Revenues 7.0% 5.0% 7.0%																						
"Cash Flow" 10.0% 8.5% 9.5%																						
Earnings 10.0% 15.0% 11.0%																						
Dividends -- -- 13.5%																						
Book Value 7.0% 2.0% 9.0%																						
Fiscal Year Ends										QUARTERLY REVENUES (\$ mill.) A C										Full Fiscal Year		
2017										489.8 512.2 498.7 533.3										2034.0		
2018										544.8 532.8 570.4 552.7										2200.7		
2019										553.3 585.4 623.2 627.7										2389.6		
2020										614.0 584.5 600 601.5										2400		
2021										640 650 660 670										2620		
Fiscal Year Ends										EARNINGS PER SHARE A B										Full Fiscal Year		
2017										49 48 53 63										213		
2018										65 54 71 75										264		
2019										70 70 89 88										317		
2020										84 73 78 80										315		
2021										90 95 95 100										380		
Cal-endar										QUARTERLY DIVIDENDS PAID										Full Year		
2016										09 09 09 09										36		
2017										09 10 10 10										39		
2018										10 12 12 12										46		
2019										12 15 15 15										57		
2020										15 17												



TEXAS INSTR. NDQ-TXN				RECENT PRICE	124.23	P/E RATIO	25.9	(Trailing: 23.8 Median: 19.0)	RELATIVE P/E RATIO	1.30	DIV'D YLD	2.9%	VALUE LINE	Target Price Range					
TIMELINESS	3	Lowered 11/9/18	High Low	27 0 33 9 36 7 34 2 44 1 56 0 60 0 75 3 105 3 120 8 132 2 135 7	13 7 22 3 24 3 26 1 31 4 40 3 43 5 46 7 72 5 87 7 88 7 93 1										2023	2024	2025		
SAFETY	1	Raised 7/8/11	LEGENDS 15.0 x "Cash Flow" p.sh Relative Price Strength Options Yes Shaded area indicates recession																
TECHNICAL	3	Lowered 4/3/20																	
BETA	85	(1.00 = Market)																	
18-Month Target Price Range																			
Low-High Midpoint (% to Mid)																			
\$92-\$167 \$130 (5%)																			
2023-25 PROJECTIONS																			
High Low	125 100	Gain (Nil) (-20%)																	
Institutional Decisions																			
302019 402019 102020																			
to Buy 712 806 676																			
to Sell 632 633 810																			
Hld's(000) 805865 795368 772303																			
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% TOT. RETURN 5/20	
7.32	8.37	9.83	10.30	9.78	8.41	11.96	12.05	11.33	11.12	12.25	12.86	13.42	15.22	16.70	15.43	14.85	15.90	THIS STOCK VL ARITH	
1.94	2.25	2.54	2.73	2.43	1.89	3.51	2.76	2.40	2.60	3.45	3.71	4.22	5.06	6.53	6.14	5.85	6.40	1 yr 16.3 -1.3	
1.05	1.34	1.69	1.83	1.57	1.15	2.62	1.88	1.51	1.75	2.57	2.82	3.48	4.35	5.59	5.24	4.80	5.25	3 yr 55.0 5.2	
0.09	0.11	0.13	0.30	0.40	0.45	0.49	0.56	0.72	1.07	1.24	1.40	1.64	2.12	2.63	3.21	3.60	3.64	5 yr 140.9 18.7	
76	83	88	51	60	61	103	72	44	38	36	54	53	71	120	91	55	55		
7.60	7.46	7.83	7.43	7.30	7.84	9.94	9.61	9.68	9.84	9.76	9.84	10.52	10.51	9.52	9.56	10.75	12.45		
1718.1	1600.3	1450.0	1343.2	1277.9	1240.1	1167.4	1139.5	1132.0	1098.0	1065.0	1011.3	995.98	983.16	945.15	932.03	930.00	929.00		
24.0	21.4	18.4	18.3	16.0	18.0	10.0	16.9	19.9	21.6	18.5	19.1	18.1	19.4	19.0	22.1				
1.27	1.14	.99	.97	.96	1.20	64	1.06	1.27	1.21	.97	96	95	98	1.03	1.20				
3%	4%	4%	9%	1.6%	2.2%	1.9%	1.8%	2.4%	2.8%	2.6%	2.6%	2.6%	2.5%	2.5%	2.8%				
CAPITAL STRUCTURE as of 3/31/20																			
Total Debt \$6.6 bill Due in 5 Years 3.1 bill.																			
LT Debt \$5.5 bill. LT Interest \$170 mill (42% of capital)																			
Leases, Uncapitalized: Annual Rentals \$75 mill																			
Pension Assets-12/19 \$400.4 mill Oblig. \$390.0 mill.																			
Pfd Stock None																			
Common Stock 917,772,641 shs as of 4/14/20																			
MARKET CAP: \$114 billion (Large Cap)																			
CURRENT POSITION (SMILL.)																			
2018 2019 3/31/20																			
Cash Assets 4233 5387 4742																			
Receivables 1207 1074 1316																			
Inventory (Avg Cst) 2217 2001 2003																			
Other 440 299 249																			
Current Assets 8097 8761 8310																			
Accts Payable 478 388 363																			
Debt Due 749 500 1100																			
Other 1247 1235 918																			
Current Liab 2474 2123 2381																			
ANNUAL RATES Past 10 Yrs. Past 5 Yrs. Est'd '17-'19 to '23-'25																			
of change (per sh)																			
Sales 5.0% 6.5% 2.5%																			
"Cash Flow" 9.5% 16.0% 3.0%																			
Earnings 13.0% 21.0% 2.5%																			
Dividends 21.5% 21.5% 6.5%																			
Book Value 2.5% -- 11.0%																			
QUARTERLY SALES (\$mill.)																			
Mar.31 Jun.30 Sep.30 Dec.31 Full Year																			
2017 3402 3693 4116 3750 14961																			
2018 3789 4017 4261 3717 15784																			
2019 3594 3668 3771 3350 14383																			
2020 3329 3100 3800 3571 13800																			
2021 3565 3335 4035 3815 14750																			
EARNINGS PER SHARE B																			
Mar.31 Jun.30 Sep.30 Dec.31 Full Year																			
2017 97 1.03 1.26 1.09 4.35																			
2018 1.35 1.40 1.58 1.27 5.59																			
2019 1.26 1.36 1.49 1.12 5.24																			
2020 1.24 1.00 1.40 1.16 4.80																			
2021 1.35 1.10 1.50 1.30 5.25																			
QUARTERLY DIVIDENDS PAID C																			
Mar.31 Jun.30 Sep.30 Dec.31 Full Year																			
2016 38 38 38 .50 1.64																			
2017 50 50 50 .62 2.12																			
2018 62 62 62 .77 2.63																			
2019 77 77 77 .90 3.21																			
2020 90 90																			
BUSINESS: Texas Instruments Incorporated is a global manufacturer of semiconductors and electronic products. The company is the leading supplier of digital signal processors and analog devices Markets electrical controls, educational and productivity solutions, and metallurgical materials Royalty income from licensing proprietary technology is significant Acquired Burr-Brown, 8/00, Unित्रode,																			
Since our March review, shares of Texas Instruments have rebounded nicely. Indeed, over that time frame, the equity's price advanced more than 17%. This likely reflected the general uptrend in the broader market averages, with the S&P 500 Index rebounding sharply over the past three months																			
Conversely, the chip maker's March-quarter results were lackluster. The widespread economic slowdown stemming from the COVID-19 pandemic weighed on volumes across all business units. In fact, the Analog, Embedded Processing, and Other segments experienced drops in sales of 2.3%, 17.9%, and 22.9%, respectively. All told, these figures equated to a 7.4% slide in the overall top line, to \$3.329 billion. Meanwhile, on the profitability front, cost of goods sold and operating expenses increased 20 basis points, and 90 basis points, as a percentage of sales, respectively. After accounting for a 30% decline in other income and an 18% rise in interest costs, TXN's first-quarter earnings recorded 1.6%, to \$1.24 a share. This was modestly below our call of \$1.30.																			
Consequently, we have reduced our																			
outlook for this year and next. Texas Instruments now appears poised to register a roughly 4% drop in sales, to \$13.8 billion. The anticipated decline in its business will likely stem from a downturn in its Signal Chain, High Volume, Connected Microcontrollers, Processors, and other offerings, partially offset by strength in its Power product line. The reduced volumes will undoubtedly weigh on fixed-cost absorption. As a result, we have sliced \$0.60 off our 2020 earnings estimate, to \$4.80 a share. Our revised call would represent a year-over-year decline of almost 8.5%.																			
At this juncture, these shares do not stand out. The equity's quotation is trading above our 3- to 5-year Target Price Range suggesting that it is overvalued at the moment. Consequently, investors looking to get a foothold into Texas Instruments shares would be wise to wait for some sort of price correction to afford a more-attractive entry point In the near term, our Timeliness Ranking System has this stock pegged to mirror the broader market averages for the year-ahead time frame (Timeliness: 3).																			
Bryan J. Fong June 26, 2020																			

AMERCO										RECENT PRICE		P/E RATIO		Trailing: 18.0 Median: 14.0		RELATIVE P/E RATIO		DIV'D YLD		Nil		VALUE LINE		318																	
TIMELINESS 3 Raised 5/8/20										High Low		55.4 21 9		109 1 35 6		104 0 60 2		126 9 75 4		240 4 128 4		297 1 210 0		436 9 266 3		399 2 305 7		401 0 338 3		386 6 316 0		426 5 322 2		387 8 222 3		Target Price Range		2023 2024 2025			
SAFETY 3 New 11/25/16										LEGENDS		8.0 x "Cash Flow" p sh		Relative Price Strength		Options No		Shaded area indicates recession																							
TECHNICAL 3 Raised 4/24/20																																									
BETA 90 (1.00 = Market)																																									
18-Month Target Price Range																																									
Low-High Midpoint (% to Mid)																																									
\$213-\$436 \$325 (10%)																																									
2023-25 PROJECTIONS																																									
Price Gain Return																																									
High Low 505 335 (+70%) 14% 3%																																									
Institutional Decisions																																									
202019 302019 4Q2019																																									
to Buy 102 104 121																																									
to Sell 107 110 87																																									
Hld's(000) 7391 7338 7438																																									
Percent shares traded																																									
2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																																									
94.35 98.97 101.51 104.38 101.61 102.10 114.30 127.64 130.49 144.60 156.80 167.06 174.51 183.66 192.20 200.25 206.65 212.80																																									
6.81 12.44 12.83 14.40 13.55 14.30 19.56 21.68 26.79 32.41 36.19 44.80 44.88 44.57 47.17 46.70 50.25 54.60																																									
2.08 6.30 3.72 2.78 02 2.74 8.80 10.09 13.56 17.51 18.21 24.95 20.34 15.70 18.93 16.00 18.50 21.75																																									
13.39 16.18 31.56 29.20 20.26 13.23 24.51 30.08 33.51 50.99 57.49 76.97 72.40 69.55 95.37 102.00 105.00 105.00																																									
26.91 32.68 34.95 38.63 36.60 41.46 50.64 52.83 62.69 77.90 96.10 114.82 133.61 173.84 188.31 204.10 222.70 243.60																																									
21.28 21.28 20.55 19.63 19.61 19.61 19.61 19.61 19.61 19.61 19.61 19.61 19.61 19.61 19.61 19.60 19.50 19.50																																									
16.7 10.3 22.7 23.6 NMF 16.3 8.9 8.7 8.3 11.2 15.4 14.5 17.7 23.4 18.7 22.9																																									
88 55 1.23 1.25 NMF 1.09 57 55 53 63 81 73 93 118 1.01 1.25																																									
CAPITAL STRUCTURE as of 12/31/19																																									
LT Debt \$4656.2 mll Due in 5 Yrs \$2835.6 mll																																									
LT Interest \$158.0 mll (53% of Cap'l)																																									
Leases, Uncapitalized Annual rentals \$34.0 mll																																									
No Defined Benefit Pension Plan																																									
Pfd Stock None																																									
Common Stock 19,607,788 shs. as of 1/1/2020																																									
MARKET CAP: \$5.8 billion (Large Cap)																																									
CURRENT POSITION 2017 2018 12/31/19 (\$MILL.)																																									
Cash Assets 759.4 673.7 632.0																																									
Receivables 193.5 224.8 200.2																																									
Inventory (LIFO) 89.9 103.5 103.0																																									
Other 166.1 174.1 188.8																																									
Current Assets 1208.9 1176.1 1124.0																																									
Accts Payable 511.1 556.9 551.8																																									
Other																																									
Current Liab 511.1 556.9 551.8																																									
ANNUAL RATES Past 10 Yrs. Past 5 Yrs. Est'd '16-'18 of change (per sh) to '23-'25																																									
Revenues 6.0% 6.5% 5.0%																																									
"Cash Flow" 13.0% 11.0% 4.5%																																									
Earnings 24.0% 6.0% 7.5%																																									
Dividends																																									
Book Value 16.0% 20.5% 11.0%																																									
Fiscal Year Begins																																									
QUARTERLY REVENUES (\$ mill.) A																																									
Jun.30 Sep.30 Dec.31 Mar.31																																									
2017 957.9 1042.7 842.9 757.6 3601.1																																									
2018 1019.6 1104.5 919.1 725.5 3768.7																																									
2019 1079.2 1150.2 927.9 767.7 3925																																									
2020 1075 1150 975 850 4050																																									
2021 1100 1175 1000 875 4150																																									
Fiscal Year Begins																																									
EARNINGS PER SHARE AB																																									
Jun.30 Sep.30 Dec.31 Mar.31																																									
2017 6.44 6.36 2.34 .56 15.70																																									
2018 6.53 8.35 4.01 .04 18.93																																									
2019 6.76 7.97 1.58 d.31 16.00																																									
2020 6.75 8.50 3.00 .25 18.50																																									
2021 7.75 9.50 4.00 .50 21.75																																									
Cal-endar																																									
2016																																									
2017																																									
2018																																									
2019																																									
2020																																									
NO CASH DIVIDENDS BEING PAID																																									

(A) Diluted earnings Excludes nonrecurring gains/losses '05, 49¢, '07, (\$1.22), '08, (\$2.60), '09, 25¢, '10, \$4.25, '11, 3¢, '12, 4¢, '13, \$1.32, '14, (19¢), '17, (7¢). Next earnings report due late July	\$2.75 per share were paid on 12/20/10 and 5/18/11, respectively (E) Totals may not sum due to rounding	<b>Company's Financial Strength</b>	<b>B++</b>
(B) In millions (C) Includes intangibles In 2019 \$52.5 million, \$0.45 per share (D) Special cash dividends of \$3.00 per share and		<b>Stock's Price Stability</b>	<b>85</b>
		<b>Price Growth Persistence</b>	<b>90</b>
		<b>Earnings Predictability</b>	<b>95</b>

WATERS CORP. NYSE-WAT			RECENT PRICE 180.43		P/E RATIO 23.0 (Trailing: 22.0)		RELATIVE P/E RATIO 1.39		DIV YLD		Nil		VALUE LINE						
TIMELINESS	2	Raised 4/24/20	High Low	63 1 30 0	81 0 56 0	100 0 70 9	94 5 73 0	108 9 85 0	117 7 93 6	137 4 111 8	162 5 112 0	202 0 134 7	220 2 167 9	255 2 175 0	245 7 154 4	Target Price Range	2023	2024	2025
SAFETY	2	Raised 5/27/11	LEGENDS															400	
TECHNICAL	3	Raised 5/8/20	16.0 x "Cash Flow" p.sh. ... Relative Price Strength Options Yes Shaded area indicates recession															320	
BETA	90	(1.00 = Market)																	
18-Month Target Price Range																			
Low-High Midpoint (% to Mid)																			
\$163-\$292 \$228 (25%)																			
2023-25 PROJECTIONS																			
Price Gain Ann'l Total																			
High	355	(+95%)	19%																
Low	265	(+45%)	10%																
Institutional Decisions																			
Percent shares traded																			
24 16 8																			
% TOT. RETURN 4/20																			
THIS STOCK VL ARITH'																			
1 yr -12.4 -15.6																			
5 yr 10.1 -2.4																			
49.4 12.2																			
@ VALUE LINE PUB. LLC																			
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	23-25	
9.22	11.00	12.63	14.59	16.09	15.92	17.89	20.38	20.62	22.45	23.93	25.07	27.09	29.10	33.10	38.45	34.45	36.90	Sales per sh	45.75
2.21	2.61	2.77	3.18	4.00	4.04	4.84	5.50	5.58	5.76	5.75	6.31	7.16	8.38	9.34	10.32	9.80	11.35	"Cash Flow" per sh	17.45
1.81	1.99	2.25	2.62	3.25	3.34	4.06	4.69	5.19	5.20	5.07	5.65	6.41	7.49	8.05	8.69	7.85	9.15	Earnings per sh ^	14.80
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Div'ds Decl'd per sh	Nil
55	48	51	60	71	100	68	94	1.17	1.40	1.10	1.23	1.19	1.08	1.31	2.62	1.60	1.65	Cap'l Spending per sh	2.00
5.66	2.69	3.57	5.80	6.75	9.02	11.64	13.50	16.42	20.79	22.79	25.27	28.77	28.16	21.44	43.46	d5.30	4.35	Book Value per sh B	42.55
119.84	105.34	101.37	100.98	97.89	94.12	91.85	90.83	89.39	84.82	83.15	81.47	80.02	79.34	73.12	62.59	64.40	64.35	Common Shs Outst'g C	64.50
23.5	21.1	19.6	24.3	17.7	14.4	16.7	17.9	16.0	18.8	21.1	22.3	21.7	23.2	24.4	25.4			Avg Ann'l P/E Ratio	21.0
1.24	1.12	1.06	1.29	1.07	.96	1.06	1.12	1.02	1.06	1.11	1.12	1.14	1.17	1.32	1.37			Relative P/E Ratio	1.15
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			Avg Ann'l Div'd Yield	Nil
CAPITAL STRUCTURE as of 3/31/20																			
LT Debt \$1896.0 mill Due in 5 Yrs \$1025.4 mill																			
LT Debt \$1846.0 mill LT Interest \$80.6 mill																			
(Total interest coverage 17.6x) (122% of Capital)																			
Leases, Uncapitalized Annual rentals \$29.5 mill																			
Pension Assets-12/19 \$96.8 mill.																			
Oblig. \$125.6 mill																			
Preferred Stock None																			
Common Stock 61,908,682 shs as of 4/24/20																			
MARKET CAP: \$11.2 billion (Large Cap)																			
CURRENT POSITION 2018 2019 3/31/20																			
(MILL.)																			
Cash Assets	1735.2	337.1	393.9																
Receivables	568.3	587.7	522.2																
Inventory	291.6	320.6	344.0																
Other	68.1	67.1	67.7																
Current Assets	2663.2	1312.5	1327.8																
Accts Payable	68.1	49.0	61.1																
Debt Due	2	100.4	50.0																
Other	380.6	442.0	440.0																
Current Liab	448.9	591.3	551.1																
ANNUAL RATES Past Past Est'd '17-'19																			
% change (per sh)	10 Yrs.	5 Yrs.	to '23-'25																
Sales	8.0%	8.5%	4.5%																
"Cash Flow"	9.5%	10.5%	5.5%																
Earnings	10.0%	9.5%	6.0%																
Dividends	--	--	Nil																
Book Value	8.0%	-5.0%	7.5%																
QUARTERLY SALES (\$mill.) Full Year																			
Cal-endar	Mar.Per	Jun.Per	Sep.Per	Dec.Per															
2017	498.0	558.2	565.6	687.3	2309.1														
2018	530.7	596.2	578.0	715.0	2419.9														
2019	513.9	599.2	577.3	716.2	2406.6														
2020	464.9	482	550	723.1	2220														
2021	592	593	595	595	2375														
EARNINGS PER SHARE A Full Year																			
Cal-endar	Mar.Per	Jun.Per	Sep.Per	Dec.Per															
2017	1.46	1.76	1.77	2.50	7.49														
2018	1.59	1.95	1.92	2.59	8.05														
2019	1.51	2.08	2.07	2.12	8.69														
2020	1.15	1.42	2.04	3.24	7.85														
2021	1.83	2.20	2.20	2.92	9.15														
QUARTERLY DIVIDENDS PAID Full Year																			
Cal-endar	Mar.31	Jun.30	Sep.30	Dec.31															
2016																			
2017																			
2018																			
2019																			
2020																			
NO CASH DIVIDENDS BEING PAID																			
(A) Diluted earnings Excludes non-recurring gains (losses). '04, '04(10); '05, '05(25); '06, '06(12); '08 '08(40); '18 '18(40). Figures may not sum due to rounding. Next earnings report due late July																			
(B) Includes intangibles In 2019 \$596.3 mill., \$9.53/sh																			
(C) In millions																			
Company's Financial Strength A																			
Stock's Price Stability 95																			
Price Growth Persistence 90																			
Earnings Predictability 85																			

WEST PHARM. NYSE-WST										RECENT PRICE	188.32	P/E RATIO	NMF (Trailing: NMF Median: 31.0)	RELATIVE P/E RATIO	NMF	DIV'D YLD	0.3%	VALUE LINE		
TIMELINESS	1	Raised 7/26/19	High Low	20 9 13 9	22 4 16 4	24 0 17 8	28 0 18 7	50 6 27 3	55 3 39 1	64 6 48 7	86 5 53 9	103 4 78 0	125 1 82 7	152 1 93 1	201 8 124 5			Target Price Range		
SAFETY	2	Raised 11/22/13	LEGENDS															2023	2024	2025
TECHNICAL	2	Raised 5/15/20	23.0 x "Cash Flow" p sh																	
BETA	85	(1.00 = Market)	Relative Price Strength																	
18-Month Target Price Range			2-for-1 split 9/13																	
Low-High Midpoint (% to Mid)			Options Yes																	
\$119-\$186 \$153 (-20%)			Shaded area indicates recession																	
2023-25 PROJECTIONS																				
Price Gain Ann'l Total																				
High Low 225 165																				
Gain (+20%) (-10%) -2%																				
Ann'l Total Return																				
Institutional Decisions																				
2020B1 3020B1 4020B1																				
to Buy 175 206 231																				
to Sell 163 165 182																				
Hld's(000) 67582 67131 67783																				
Percent shares traded																				
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021																				
10.00 11.98 13.88 15.79 16.07 16.00 16.59 17.69 19.02 19.44 19.91 19.36 20.64 21.64 23.18 24.83 26.70 28.95																				
1.37 1.58 1.79 2.15 2.18 2.13 2.19 2.34 2.61 2.81 2.97 2.51 3.17 3.32 4.20 4.66 5.05 5.70																				
67 70 97 119 119 106 105 117 138 157 175 130 191 199 274 321 3.55 4.00																				
22 23 25 27 29 31 33 35 37 39 41 46 50 54 58 62 64 7.00																				
1.06 93 1.37 2.00 2.12 1.59 1.07 1.42 1.97 2.16 1.68 1.82 2.33 1.77 1.41 1.71 1.75 1.85																				
5.56 5.71 6.30 7.51 7.45 8.77 9.39 9.72 10.94 12.88 13.40 14.16 15.29 17.32 18.84 21.23 23.30 26.20																				
54.18 58.43 65.80 64.60 65.40 66.00 66.60 67.40 66.60 70.40 71.40 72.30 73.10 73.90 74.10 74.10 73.00 72.50																				
15.1 19.0 19.6 18.8 18.0 17.1 18.1 17.8 17.2 23.7 26.1 43.8 38.1 45.6 37.0 39.5 39.5 39.5																				
80 101 106 100 108 114 115 112 109 133 137 221 200 229 200 214 214 214																				
2.1% 1.7% 1.3% 1.2% 1.4% 1.7% 1.7% 1.7% 1.6% 1.0% 9% 8% 7% 6% 6% 5% 5% 5%																				
CAPITAL STRUCTURE as of 3/31/20																				
Total Debt \$256.7 mill Due in 5 Yrs \$90.0 mill																				
LT Debt \$254.4 mill LT Interest \$8.0 mill																				
(15% of Cap'l)																				
Leases, Uncapitalized Annual rentals \$12.1 mill																				
Pension Assets-12/19 \$244.1 mill																				
Oblig. \$287.9 mill																				
Pfd Stock None																				
Common Stock 73,602,233 shares																				
MARKET CAP. \$13.9 billion (Large Cap)																				
CURRENT POSITION 2018 2019 3/31/20																				
(\$MILL.)																				
Cash Assets 337.4 439.1 335.3																				
Receivables 288.2 319.3 333.0																				
Inventory (LIFO) 214.5 235.7 251.0																				
Other 54.3 64.6 58.2																				
Current Assets 894.4 1058.7 977.5																				
Accts Payable 130.4 156.8 157.9																				
Debt Due 1 2.3 2.3																				
Other 153.2 182.5 184.2																				
Current Liab. 283.7 341.6 344.4																				
ANNUAL RATES Past Est'd '17-'19																				
of change (per sh) 10 Yrs. 5 Yrs. 2017-2019																				
Sales 4.0% 3.5% 9.0%																				
"Cash Flow" 6.5% 7.5% 12.0%																				
Earnings 9.0% 11.0% 14.0%																				
Dividends 7.0% 8.5% 12.0%																				
Book Value 9.0% 9.0% 11.0%																				
QUARTERLY SALES (\$ mill.)																				
Cal-ender Mar.Per Jun.Per Sep.Per Dec.31 Full Year																				
2017	387.7	397.6	398.2	415.6	1599.1															
2018	415.7	447.5	431.7	422.5	1717.4															
2019	443.5	469.7	456.1	470.6	1839.9															
2020	491.5	490	475	493.5	1950															
2021	500	525	525	550	2100															
EARNINGS PER SHARE A																				
Cal-ender Mar.Per Jun.Per Sep.Per Dec.31 Full Year																				
2017	80	51	67	01	1.99															
2018	58	75	73	69	2.74															
2019	73	88	75	84	3.21															
2020	99	.89	.82	.85	3.55															
2021	1.05	1.00	.95	1.00	4.00															
QUARTERLY DIVIDENDS PAID B																				
Cal-ender Mar.31 Jun.30 Sep.30 Dec.31 Full Year																				
2016	12	12	12	13	49															
2017	13	13	13	14	53															
2018	14	14	14	15	57															
2019	15	15	15	16	61															
2020	16	16																		
(A) Diluted earnings. Excl nonrec gains/(losses) '04, (12c), '05, (6c), '07, (16c), '08, 6c, '09, 01c, and '10, (11c). GAAP as of 2015. Next earnings report due late July																				
(B) Dividends historically paid early Feb, May, Aug., and Nov. Dividend reinvestment plan available. (C) Incl. intangibles. On 12/31/19 \$137.6 mill. \$1.86/share. (D) In millions. adjusted for splits																				
Company's Financial Strength A																				
Stock's Price Stability 90																				
Price Growth Persistence 95																				
Earnings Predictability 55																				

WESTERN UNION

NYSE:WU

RECENT PRICE

19.13

P/E RATIO

13.1

(Trailing: 11.2)

(Median: 12.0)

RELATIVE P/E RATIO

0.81

DIV'D YLD

4.7%

VALUE LINE

TIMELINESS

3

Raised 9/28/18

SAFETY

3

New 11/24/06

TECHNICAL

1

Raised 5/1/20

BETA

95

(1.00 = Market)

18-Month Target Price Range

Low-High

Midpoint (% to Mid)

\$19-\$31

\$25 (30%)

2023-25 PROJECTIONS

Price

Gain

Ann'l Total Return

High Low

35 25

(+85%)

(+30%)

20%

11%

Institutional Decisions

202019

3Q2019

4Q2019

to Buy

207

236

280

to Sell

276

246

248

Hld's(000)

460556

462348

469676

High Low

20 6 10 0

20 3 14 6

22 0 14 5

19 8 11 9

19 5 13 2

18 7 14 6

22 8 16 7

22 3 16 0

22 7 18 4

22 2 16 4

28 0 16 8

28 5 17 4

Target Price

2023

2024

2025

Range

-48

-40

-32

-24

-20

-16

-12

-8

-6

LEGENDS

8 5 x "Cash Flow" p sh

Relative Price Strength

Options Yes

Shaded area indicates recession

% TOT. RETURN 3/20

THIS STOCK

VL ARTH INDEX

1 yr

3 yr

5 yr

1 8

-26 1

-16 7

-5 7

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

© VALUE LINE PUB. LLC

23-25

The Western Union Company, a leader in global money transfer processes and services was spunoff in a 100% tax-free offering to the shareholders of First Data Corp. on September 29, 2006. Approximately 765 million shares of common stock were distributed

7.94

8.87

9.90

10.04

10.75

10.92

11.26

12.04

12.67

12.66

11.80

13.15

Revenues per sh

15.70

1.72

1.91

2.28

1.92

2.16

2.21

2.26

2.14

2.53

2.35

2.15

2.45

"Cash Flow" per sh

3.15

1.42

1.57

1.74

1.43

1.59

1.62

1.66

1.60

1.87

1.71

1.50

1.75

Earnings per sh A

2.35

25

31

43

50

50

62

64

70

76

80

90

94

Div'ds Decl'd per sh D

1.06

08

09

11

15

13

19

14

15

31

12

15

20

Cap'l Spending per sh

25

89

1.44

1.64

2.00

2.49

2.80

1.87

d 107

d 70

d 09

05

15

30

Book Value per sh B

30

654.00

619.40

572.10

552.20

521.50

502.40

481.50

459.00

441.20

418.00

415.00

400.00

Common Shs Outst'g C

360.00

12.0

12.1

9.7

11.5

10.5

12.0

11.8

12.3

10.4

12.5

68

68

Avg Ann'l P/E Ratio

12.0

76

76

62

65

55

60

62

62

56

68

68

68

Relative P/E Ratio

65

1.5%

1.6%

2.5%

3.0%

3.0%

3.2%

3.3%

3.6%

3.9%

3.7%

3.7%

3.7%

Avg Ann'l Div'd Yield

3.8%

CAPITAL STRUCTURE as of 12/31/19

Total Debt \$3229.3 mill

Due in 5 Yrs \$2000 mill

LT Debt \$3229.3 mill

LT Interest \$150 mill

(Total interest coverage 6.7x)

(NMF of Cap'l)

5192.7

5491.4

5664.8

5542.0

5607.2

5483.7

5422.9

5524.3

5589.9

5292.1

4900

5250

Revenues (\$mill)

5660

29.4

29.6%

28.6%

24.7%

25.2%

25.4%

24.3%

21.7%

24.8%

24.7%

22.0%

23.0%

Operating Margin

25.0%

175.9

192.6

246.1

262.8

271.9

270.2

263.2

262.9

264.7

257.7

260

265

Depreciation (\$mill)

280

949.9

992.7

1056.6

798.4

852.4

837.8

824.2

718.0

851.9

724.6

625

715

Net Profit (\$mill)

860

20.5%

24.9%

12.8%

13.9%

12.0%

11.0%

9.7%

11.5%

14.1%

20.4%

16.0%

16.0%

Income Tax Rate

16.0%

18.3%

18.1%

18.7%

14.4%

15.2%

15.3%

15.2%

13.0%

15.2%

13.7%

12.8%

13.6%

Net Profit Margin

15.2%

1280.4

533.5

1002.0

1217.3

609.8

308.6

d618.4

d1185

645.5

d465.8

d350

d300

Working Cap'l (\$mill)

d300

3289.9

3583.2

4029.2

4213.0

3720.4

3225.6

2786.1

3033.6

3308.7

3229.3

3300

3400

Long-Term Debt (\$mill)

3600

582.7

894.8

940.6

1104.7

1300.4

1404.9

902.2

d491.4

d309.8

d39.5

25.0

50.0

Shr. Equity (\$mill) B

100

26.7%

24.2%

23.1%

16.9%

18.7%

19.9%

24.4%

31.0%

30.9%

27.2%

19.0%

21.0%

Return on Total Cap'l

23.0%

NMF

NMF

NMF

72.3%

65.5%

59.6%

91.4%

NMF

NMF

NMF

NMF

NMF

Return on Shr. Equity

NMF

17%

20%

24%

35%

31%

38%

38%

45%

40%

47%

60%

54%

Retained to Com Eq

NMF

All Div'ds to Net Prof

45%

Leases, Uncapitalized Annual rentals \$44.1 mill

Pension Assets 12/19 \$237.1 mill.

Oblig. \$248.5 mill

Common Stock 418,000,000 shares

18.3%

24.9%

12.8%

13.9%

12.0%

11.0%

9.7%

11.5%

14.1%

20.4%

16.0%

16.0%

Income Tax Rate

16.0%

18.3%

18.1%

18.7%

14.4%

15.2%

15.3%

15.2%

13.0%

15.2%

13.7%

12.8%

13.6%

Net Profit Margin

15.2%

1280.4

533.5

1002.0

1217.3

609.8

308.6

d618.4

d1185

645.5

d465.8

d350

d300

Working Cap'l (\$mill)

d300

3289.9

3583.2

4029.2

4213.0

3720.4

3225.6

2786.1

3033.6

3308.7

3229.3

3300

3400

Long-Term Debt (\$mill)

3600

582.7

894.8

940.6

1104.7

1300.4

1404.9

902.2

d491.4

d309.8

d39.5

25.0

50.0

Shr. Equity (\$mill) B

100

26.7%

24.2%

23.1%

16.9%

18.7%

19.9%

24.4%

31.0%

30.9%

27.2%

19.0%

21.0%

Return on Total Cap'l

23.0%

NMF

NMF

NMF

72.3%

65.5%

59.6%

91.4%

NMF

NMF

NMF

NMF

NMF

Return on Shr. Equity

NMF

17%

20%

24%

35%

31%

38%

38%

45%

40%

47%

60%

54%

Retained to Com Eq

NMF

All Div'ds to Net Prof

45%

MARKET CAP: \$8.0 billion (Large Cap)

CURRENT POSITION

2017

2018

12/31/19

(\$MILL.)

838.2

973.4

1450.5

Cash Assets

Receivables

Inventory

Other

Current Assets

Accts Payable

Debt Due

Other

Current Liab

4188.9

3813.8

3296.7

5027.1

4787.2

4747.2

718.5

564.9

601.9

4188.9

4867.8

4316.4

4907.4

5432.7

4918.3

ANNUAL RATES

Past 10 Yrs.

Past 5 Yrs.

Est'd '17-'19 of change (per sh)

Revenues

"Cash Flow"

Earnings

Dividends

Book Value

5.5%

5.0%

3.5%

32.0%

--

4.0%

2.0%

1.5%

9.5%

--

6.5%

5.5%

5.0%

13.5%

18.0%

QUARTERLY REVENUES (\$mill.)

Cal-end

Mar.31

Jun.30

Sep.30

Dec.31

Full Year

2017

2018

2019

2020

2021

1302

1389

1337

1250

1300

1379

1411

1340

1100

1300

1405

1388

1307

1250

1325

1438

1401

1308

1300

1325

5524.3

5589.9

5292.1

4900

5250

EARNINGS PER SHARE A

Cal-end

Mar.31

Jun.30

Sep.30

Dec.31

Full Year

2017

2018

2019

2020

2021

33

46

39

37

42

35

47

45

30

43

51

56

49

41

45

41

48

38

42

45

160

187

171

150

175

QUARTERLY DIVIDENDS PAID D

Cal-end

Mar.31

Jun.30

Sep.30

Dec.31

Full Year

2016

2017

2018

2019

2020

160

175

190

200

225

160

175

190

200

225

160

175

190

200

225

160

175

190

200

225

64

70

76

80

80

BUSINESS:

The Western Union Company is a leader in global money movement and payment services. Services are available through a global network of roughly 510,000 agent locations in more than 200 countries. About 90% of locations are outside of the United States. Spinoff from First Data Corp. on 9/29/06. Consumer segment accounted for about 83% of '19 revenues, Business Solu-

tions, 7%, other, 10%. International consisted of 62% of revenues. Employs 11,500. President & CEO Hikmet Ersek. Chairman Jack Greenberg. BlackRock owns 13.8% of common stock, Vanguard, 12.6%, FMR LLC, 7.5% (4/20 proxy). Incorporated DE. Address: 7001 East Bellevue Avenue, Denver, Colorado 80237. Telephone: 866-405-5012. Internet: www.westernunion.com

Western Union has withdrawn its full-year 2020 outlook due to the coronavirus pandemic.

The company—which was scheduled to report first-quarter results shortly after this Issue went to press—said the spread of COVID-19 started to have a significant impact on its business by late March. That seemed to coincide with the strict social distancing measures that many governments around the world have implemented to combat the disease. Such policies have resulted in sharply lower consumer activity across many of Western Union's core markets. The company also had to close most of its agent locations to comply with the rules

We are lowering our estimates and projections to reflect what will likely be a challenging time for Western Union and many other businesses. COVID-19 and the measures taken to combat it may well spark a global recession, with the severity to be determined by the duration of the virus. Accordingly, we are reducing our 2020 top- and bottom-line estimates by \$410 million and \$0.50 a share, respectively, to \$4.9 billion and \$1.50. Although visibility remains low, we believe

the current quarter is likely to be the weakest (our models suggest an 18% sales decline and a 33% drop in share earnings). Assuming the world can get a handle on COVID-19, a gradual recovery should take place by the second half of 2020, followed by a more pronounced bounceback in 2021.

Meanwhile, the dividend was raised in the first quarter. This is the usual timing of the annual increase. The board of directors boosted the disbursement by \$0.025 a share (12.5%) quarterly.

Western Union has continued to expand its digital offerings during the pandemic. Indeed, the company now offers digital money transfer services to over 75 countries, and has partnered with some of the largest financial institutions in the world to expand its addressable market.

These shares may appeal to income-oriented investors. At 4.7%, the dividend yield sits well above the Value Line median. Apart from that, the stock doesn't offer much Capital appreciation potential to 2023-2025 is below average, while the issue is neutrally ranked for year-ahead price performance (Timeliness: 3).

Daniel Henigson, CFA

May 8, 2020

<p>(A) Diluted earnings. Next earnings report due early August. Excludes nonrecurring gains/(losses): '10, (6c); '11, 27c, '12, (5c), '16 (\$d1 b6), '17 (\$d2 B5), '19, 75c</p>	<p>(B) Includes intangibles. In 2019 \$3061.5 million, \$7 32 a share (C) In millions (D) Quarterly dividend initiated '09, Q4 '11, Q3</p>	<p>dividend paid during Q4. Dividends typically paid late March, June, September, and December</p>	<p>Company's Financial Strength Stock's Price Stability Price Growth Persistence Earnings Predictability</p>	<p>B+ 90 25 90</p>
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SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(3) Total Company March 31, 2020	(4) A-3 1 SWEPCo Payroll	(5) A-3 2 SWEPCo Annual Incentive	(6) A-3 3 SWEPCo Long Term Incentive Plan	(7) A-3 4 Depreciation Expense	(8) A-3 5 Factoring Expense	(9) A-3 6 Misc Rider	(10) A-3 7 Retired Unit O&M Costs	(11) A-3 8 Amort Adjustment	(12) A-3 9 Credit Line Fee Expense
1	REVENUES											
2	Base Revenues											
3	Residential Sales-W/Space Htg	4400001	111,631,522	0	0	0	0	0	0	0	0	0
4	Residential Sales-W/O Space Ht	4400002	337,316,645	0	0	0	0	0	0	0	0	0
5	Commercial Sales	4420001	247,392,445	0	0	0	0	0	0	0	0	0
6	Industrial Sales (Excl Mines)	4420002	185,763,374	0	0	0	0	0	0	0	0	0
7	Sales to Pub Auth - Schools	4420006	6,955,066	0	0	0	0	0	0	0	0	0
8	Sales to Pub Auth - Ex Schools	4420007	58,666,117	0	0	0	0	0	0	0	0	0
9	Public Street/Highway Lighting	4440000	6,501,338	0	0	0	0	0	0	0	0	0
10	Whsal/Muni/Pub Auth Base Rev	4470033	69,114,855	0	0	0	0	0	0	0	0	0
12	Transm Rev -Dedic Whsl/Muni	4470150	3,858,464	0	0	0	0	0	0	0	0	0
13	Total Base Revenues		1,027,199,826	0	0	0	0	0	0	0	0	0
14	Fuel Revenues											
15	Residential Fuel Rev	4400005	185,484,707	0	0	0	0	0	0	0	0	0
16	Residential O/U Fuel Rev	4400006	(7,352,852)	0	0	0	0	0	0	0	0	0
17	Res Dolet Hills O/U Fuel Rev	4400007	0	0	0	0	0	0	0	0	0	0
18	Commercial Fuel Rev	4420013	171,591,353	0	0	0	0	0	0	0	0	0
19	Commercial O/U Fuel Rev	4420014	(6,692,276)	0	0	0	0	0	0	0	0	0
20	Comm Dolet Hills O/U Fuel Rev	4420015	0	0	0	0	0	0	0	0	0	0
21	Industrial Fuel Rev	4420016	156,680,345	0	0	0	0	0	0	0	0	0
22	Industrial O/U Fuel Rev	4420017	(8,153,109)	0	0	0	0	0	0	0	0	0
23	Ind Dolet Hills O/U Fuel Rev	4420018	0	0	0	0	0	0	0	0	0	0
24	Public St & Hwy Light Fuel Rev	4440002	2,363,160	0	0	0	0	0	0	0	0	0
25	Pb St & Hwy Light O/U Fuel Rev	4440003	(82,270)	0	0	0	0	0	0	0	0	0
26	Pb St&HwyLt-Dolet O/U Fuel Rev	4440004	0	0	0	0	0	0	0	0	0	0
27	Whsal/Muni/Pb Ath Fuel Rev	4470027	64,877,887	0	0	0	0	0	0	0	0	0
28	Total Fuel Revenues		558,716,946	0	0	0	0	0	0	0	0	0
29	Miscellaneous Revenues											
30	Sales for Resale - Assoc Cos	4470001	(17,551)	0	0	0	0	0	0	0	0	0
31	Sales for Resale - NonAssoc	4470002	(620,054)	0	0	0	0	0	0	0	0	0
32	Sales for Resale-Bookout Sales	4470006	1,555,282	0	0	0	0	0	0	0	0	0
33	Sales for Resale-Bookout Purch	4470010	(1,422,903)	0	0	0	0	0	0	0	0	0
34	Sale/Resale - NA - Fuel Rev	4470028	30,517,197	0	0	0	0	0	0	0	0	0
35	Sales for Resale - ERCOT	4470030	0	0	0	0	0	0	0	0	0	0
36	Capacity Revenue - Affiliated	4470032	0	0	0	0	0	0	0	0	0	0
37	Slis for Rsl - Fuel Rev - Assoc	4470035	0	0	0	0	0	0	0	0	0	0
38	Sales for Resale- Fuel - ERCOT	4470036	766,621	0	0	0	0	0	0	0	0	0
39	Financial Spark Gas - Realized	4470081	0	0	0	0	0	0	0	0	0	0
40	Financial Electric Realized	4470082	0	0	0	0	0	0	0	0	0	0
41	Non-Trading Bookout Sales-OSS	4470112	0	0	0	0	0	0	0	0	0	0
42	Non-Trading Bookout Purch-OSS	4470131	(22,177)	0	0	0	0	0	0	0	0	0
43	Slis for Rsl-Fuel-ERCOT-NonDed	4470133	0	0	0	0	0	0	0	0	0	0
44	SPP Load Imbalance Ded-Sales	4470135	0	0	0	0	0	0	0	0	0	0
45	SPP Rev Neutrality Ded-Sales	4470136	524,021	0	0	0	0	0	0	0	0	0
46	SPP Resource Imb Ded-Sales	4470142	0	0	0	0	0	0	0	0	0	0
47	Realiz Sharing - 06 SIA	4470144	0	0	0	0	0	0	0	0	0	0
48	Slis for Res (Trdg) ERCOT area	4470148	0	0	0	0	0	0	0	0	0	0
49	Pur Power Trading Ercot Affil	4470151	0	0	0	0	0	0	0	0	0	0
50	OSS Physical Margin Reclass	4470155	0	0	0	0	0	0	0	0	0	0
51	OSS Optim Margin Reclass	4470156	0	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
			A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising, Due Contributions Memberships	A-3 15 USWAG Membership Dues	A-3 16 Catastrophe Reserve/ Storm O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
1	REVENUES												
2	Base Revenues												
3	Residential Sales-W/Space Htg	4400001	0	0	0	0	0	0	0	0	0	0	0
4	Residential Sales-W/O Space Ht	4400002	0	0	0	0	0	0	0	0	0	0	0
5	Commercial Sales	4420001	0	0	0	0	0	0	0	0	0	0	0
6	Industrial Sales (Excl Mines)	4420002	0	0	0	0	0	0	0	0	0	0	0
7	Sales to Pub Auth - Schools	4420006	0	0	0	0	0	0	0	0	0	0	0
8	Sales to Pub Auth - Ex Schools	4420007	0	0	0	0	0	0	0	0	0	0	0
9	Public Street/Highway Lighting	4440000	0	0	0	0	0	0	0	0	0	0	0
10	Whsal/Muni/Pub Auth Base Rev	4470033	0	0	0	0	0	0	0	0	0	0	0
12	Transm Rev -Dedic Whsls/Muni	4470150	0	0	0	0	0	0	0	0	0	0	0
13	Total Base Revenues		0	0	0	0	0	0	0	0	0	0	0
14	Fuel Revenues												
15	Residential Fuel Rev	4400005	0	0	0	0	0	0	0	0	0	0	0
16	Residential O/U Fuel Rev	4400006	0	0	0	0	0	0	0	0	0	0	0
17	Res Dolet Hills O/U Fuel Rev	4400007	0	0	0	0	0	0	0	0	0	0	0
18	Commercial Fuel Rev	4420013	0	0	0	0	0	0	0	0	0	0	0
19	Commercial O/U Fuel Rev	4420014	0	0	0	0	0	0	0	0	0	0	0
20	Comm Dolet Hills O/U Fuel Rev	4420015	0	0	0	0	0	0	0	0	0	0	0
21	Industrial Fuel Rev	4420016	0	0	0	0	0	0	0	0	0	0	0
22	Industrial O/U Fuel Rev	4420017	0	0	0	0	0	0	0	0	0	0	0
23	Ind Dolet Hills O/U Fuel Rev	4420018	0	0	0	0	0	0	0	0	0	0	0
24	Public St & Hwy Light Fuel Rev	4440002	0	0	0	0	0	0	0	0	0	0	0
25	Pb St & Hwy Light O/U Fuel Rev	4440003	0	0	0	0	0	0	0	0	0	0	0
26	Pb St&HwyLT-Dolet O/U Fuel Rev	4440004	0	0	0	0	0	0	0	0	0	0	0
27	Whsal/Muni/Pb Ath Fuel Rev	4470027	0	0	0	0	0	0	0	0	0	0	0
28	Total Fuel Revenues		0	0	0	0	0	0	0	0	0	0	0
29	Miscellaneous Revenues												
30	Sales for Resale - Assoc Cos	4470001	0	0	0	0	0	0	0	0	0	0	0
31	Sales for Resale - NonAssoc	4470002	0	0	0	0	0	0	0	0	0	0	0
32	Sales for Resale-Bookout Sales	4470006	0	0	0	0	0	0	0	0	0	0	0
33	Sales for Resale-Bookout Purch	4470010	0	0	0	0	0	0	0	0	0	0	0
34	Sale/Resale - NA - Fuel Rev	4470028	0	0	0	0	0	0	0	0	0	0	0
35	Sales for Resale - ERCOT	4470030	0	0	0	0	0	0	0	0	0	0	0
36	Capacity Revenue - Affiliated	4470032	0	0	0	0	0	0	0	0	0	0	0
37	Sls for Rsl - Fuel Rev - Assoc	4470035	0	0	0	0	0	0	0	0	0	0	0
38	Sales for Resale- Fuel - ERCOT	4470036	0	0	0	0	0	0	0	0	0	0	0
39	Financial Spark Gas - Realized	4470081	0	0	0	0	0	0	0	0	0	0	0
40	Financial Electric Realized	4470082	0	0	0	0	0	0	0	0	0	0	0
41	Non-Trading Bookout Sales-OSS	4470112	0	0	0	0	0	0	0	0	0	0	0
42	Non-Trading Bookout Purch-OSS	4470131	0	0	0	0	0	0	0	0	0	0	0
43	Sls for Rsl-Fuel-ERCOT-NonDed	4470133	0	0	0	0	0	0	0	0	0	0	0
44	SPP Load Imbalance Ded-Sales	4470135	0	0	0	0	0	0	0	0	0	0	0
45	SPP Rev Neutrality Ded-Sales	4470136	0	0	0	0	0	0	0	0	0	0	0
46	SPP Resource Imb Ded-Sales	4470142	0	0	0	0	0	0	0	0	0	0	0
47	Realiz Sharnng - 06 SIA	4470144	0	0	0	0	0	0	0	0	0	0	0
48	Sls for Res (Trdg) ERCOT area	4470148	0	0	0	0	0	0	0	0	0	0	0
49	Pur Power Trading Ercot Affil	4470151	0	0	0	0	0	0	0	0	0	0	0
50	OSS Physical Margin Reclass	4470155	0	0	0	0	0	0	0	0	0	0	0
51	OSS Optim Margin Reclass	4470156	0	0	0	0	0	0	0	0	0	0	0



SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
1	REVENUES											
2	Base Revenues											
3	Residential Sales-W/Space Htg	4400001	0	0	0	0	0	(53,980,011)	0	0	(53,980,011)	0
4	Residential Sales-W/O Space Ht	4400002	0	0	0	0	0	0	0	0	0	
5	Commercial Sales	4420001	0	0	0	0	0	0	0	0	0	
6	Industrial Sales (Excl Mines)	4420002	0	0	0	0	0	0	0	0	0	
7	Sales to Pub Auth - Schools	4420006	0	0	0	0	0	0	0	0	0	
8	Sales to Pub Auth - Ex Schools	4420007	0	0	0	0	0	0	0	0	0	
9	Public Street/Highway Lighting	4440000	0	0	0	0	0	0	0	0	0	
10	Whsal/Muni/Pub Auth Base Rev	4470033	0	0	0	0	0	(13,326,870)	0	0	(13,326,870)	
12	Transm Rev -Dedic Whisl/Muni	4470150	0	0	0	0	0	0	0	0	0	
13	Total Base Revenues		0	0	0	0	0	(67,306,881)	0	0	(67,306,881)	0
14	Fuel Revenues											
15	Residential Fuel Rev	4400005	0	0	0	0	0	(185,484,707)	0	0	(185,484,707)	
16	Residential O/U Fuel Rev	4400006	0	0	0	0	0	7,352,852	0	0	7,352,852	
17	Res Dolet Hills O/U Fuel Rev	4400007	0	0	0	0	0	0	0	0	0	
18	Commercial Fuel Rev	4420013	0	0	0	0	0	(171,591,353)	0	0	(171,591,353)	
19	Commercial O/U Fuel Rev	4420014	0	0	0	0	0	6,692,276	0	0	6,692,276	
20	Comm Dolet Hills O/U Fuel Rev	4420015	0	0	0	0	0	0	0	0	0	
21	Industrial Fuel Rev	4420016	0	0	0	0	0	(156,680,345)	0	0	(156,680,345)	
22	Industrial O/U Fuel Rev	4420017	0	0	0	0	0	8,153,109	0	0	8,153,109	
23	Ind Dolet Hills O/U Fuel Rev	4420018	0	0	0	0	0	0	0	0	0	
24	Public St & Hwy Light Fuel Rev	4440002	0	0	0	0	0	(2,363,160)	0	0	(2,363,160)	
25	Pb St & Hwy Light O/U Fuel Rev	4440003	0	0	0	0	0	82,270	0	0	82,270	
26	Pb St&HwyLt-Dolet O/U Fuel Rev	4440004	0	0	0	0	0	0	0	0	0	
27	Whsal/Muni/Pb Ath Fuel Rev	4470027	0	0	0	0	0	(64,877,887)	0	0	(64,877,887)	
28	Total Fuel Revenues		0	0	0	0	0	(558,716,946)	0	0	(558,716,946)	0
29	Miscellaneous Revenues											
30	Sales for Resale - Assoc Cos	4470001	0	0	0	0	0	17,551	0	0	17,551	
31	Sales for Resale - NonAssoc	4470002	0	0	0	0	0	620,054	0	0	620,054	
32	Sales for Resale-Bookout Sales	4470006	0	0	0	0	0	(1,555,282)	0	0	(1,555,282)	
33	Sales for Resale-Bookout Purch	4470010	0	0	0	0	0	1,422,903	0	0	1,422,903	
34	Sale/Resale - NA - Fuel Rev	4470028	0	0	0	0	0	(30,517,197)	0	0	(30,517,197)	
35	Sales for Resale - ERCOT	4470030	0	0	0	0	0	0	0	0	0	
36	Capacity Revenue - Affiliated	4470032	0	0	0	0	0	0	0	0	0	
37	Slis for Rsl - Fuel Rev - Assoc	4470035	0	0	0	0	0	0	0	0	0	
38	Sales for Resale- Fuel - ERCOT	4470036	0	0	0	0	0	(766,621)	0	0	(766,621)	
39	Financial Spark Gas - Realized	4470081	0	0	0	0	0	0	0	0	0	
40	Financial Electric Realized	4470082	0	0	0	0	0	0	0	0	0	
41	Non-Trading Bookout Sales-OSS	4470112	0	0	0	0	0	0	0	0	0	
42	Non-Trading Bookout Purch-OSS	4470131	0	0	0	0	0	22,177	0	0	22,177	
43	Slis for Rsl-Fuel-ERCOT-NonDed	4470133	0	0	0	0	0	0	0	0	0	
44	SPP Load Imbalance Ded-Sales	4470135	0	0	0	0	0	0	0	0	0	
45	SPP Rev Neutrality Ded-Sales	4470136	0	0	0	0	0	(524,021)	0	0	(524,021)	
46	SPP Resource Imb Ded-Sales	4470142	0	0	0	0	0	0	0	0	0	
47	Realiz Sharing - 06 SIA	4470144	0	0	0	0	0	0	0	0	0	
48	Slis for Res (Trdg) ERCOT area	4470148	0	0	0	0	0	0	0	0	0	
49	Pur Power Trading Ercot Affil	4470151	0	0	0	0	0	0	0	0	0	
50	OSS Physical Margin Reclass	4470155	0	0	0	0	0	0	0	0	0	
51	OSS Optim Margin Reclass	4470156	0	0	0	0	0	0	0	0	0	

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(40)

Line No	(1) Description	(2) Account No	Total Company Proforma Balance
1	REVENUES		
2	Base Revenues		
3	Residential Sales-W/Space Htg	4400001	57,651,511
4	Residential Sales-W/O Space Ht	4400002	337,316,645
5	Commercial Sales	4420001	247,392,445
6	Industrial Sales (Excl Mines)	4420002	185,763,374
7	Sales to Pub Auth - Schools	4420006	6,955,066
8	Sales to Pub Auth - Ex Schools	4420007	58,666,117
9	Public Street/Highway Lighting	4440000	6,501,338
10	Whsal/Muni/Pub Auth Base Rev	4470033	55,787,985
12	Transm Rev -Dedic Whsls/Muni	4470150	3,858,464
13	Total Base Revenues		959,892,945
14	Fuel Revenues		
15	Residential Fuel Rev	4400005	0
16	Residential O/U Fuel Rev	4400006	(0)
17	Res Dolet Hills O/U Fuel Rev	4400007	0
18	Commercial Fuel Rev	4420013	0
19	Commercial O/U Fuel Rev	4420014	0
20	Comm Dolet Hills O/U Fuel Rev	4420015	0
21	Industrial Fuel Rev	4420016	0
22	Industrial O/U Fuel Rev	4420017	0
23	Ind Dolet Hills O/U Fuel Rev	4420018	0
24	Public St & Hwy Light Fuel Rev	4440002	(0)
25	Pb St & Hwy Light O/U Fuel Rev	4440003	(0)
26	Pb St&HwyLt-Dolet O/U Fuel Rev	4440004	0
27	Whsal/Muni/Pb Ath Fuel Rev	4470027	0
28	Total Fuel Revenues		0
29	Miscellaneous Revenues		
30	Sales for Resale - Assoc Cos	4470001	(0)
31	Sales for Resale - NonAssoc	4470002	(0)
32	Sales for Resale-Bookout Sales	4470006	0
33	Sales for Resale-Bookout Purch	4470010	0
34	Sale/Resale - NA - Fuel Rev	4470028	0
35	Sales for Resale - ERCOT	4470030	0
36	Capacity Revenue - Affiliated	4470032	0
37	Sls for Rsl - Fuel Rev - Assoc	4470035	0
38	Sales for Resale- Fuel - ERCOT	4470036	0
39	Financial Spark Gas - Realized	4470081	0
40	Financial Electric Realized	4470082	0
41	Non-Trading Bookout Sales-OSS	4470112	0
42	Non-Trading Bookout Purch-OSS	4470131	(0)
43	Sls for Rsl-Fuel-ERCOT-NonDed	4470133	0
44	SPP Load Imbalance Ded-Sales	4470135	0
45	SPP Rev Neutrality Ded-Sales	4470136	0
46	SPP Resource Imb Ded-Sales	4470142	0
47	Realiz Shring - 06 SIA	4470144	0
48	Sls for Res (Trdg) ERCOT area	4470148	0
49	Pur Power Trading Ercot Affil	4470151	0
50	OSS Physical Margin Reclass	4470155	0
51	OSS Optim Margin Reclass	4470156	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
	(1)	(2)	(3)	A-3 1	A-3 2	A-3 3	A-3 4	A-3 5	A-3 6	A-3 7	A-3 8	A-3 9
Line No	Description	Account No	Total Company March 31, 2020	SWEPCo Payroll	Annual Incentive	Long Term Incentive Plan	Depreciation Expense	Factoring Expense	Misc Rider	Retired Unit O&M Costs	Amort Adjustment	Credit Line Fee Expense
52	Interest Rate Swaps-Power	4470168	0	0	0	0	0	0	0	0	0	0
53	OSS Sharing Reclass - Retail	4470175	9,183,522	0	0	0	0	0	0	0	0	0
54	OSS Sharing Reclass-Reduction	4470176	(9,183,522)	0	0	0	0	0	0	0	0	0
55	Merchant Fuel Revenue	4470219	10,270,580	0	0	0	0	0	0	0	0	0
56	Merchant Sales Margin	4470223	2,863,937	0	0	0	0	0	0	0	0	0
57	SPP Net Regulation OSS	4470320	2,031,657	0	0	0	0	0	0	0	0	0
58	SPP Net Spinning Reserve OSS	4470321	4,125,103	0	0	0	0	0	0	0	0	0
59	SPP Net Supp Reserve OSS	4470324	138,210	0	0	0	0	0	0	0	0	0
60	SPP Net Marginal Losses OSS	4470326	1,189,578	0	0	0	0	0	0	0	0	0
61	SPP Net Make Whole Payment OSS	4470328	623,603	0	0	0	0	0	0	0	0	0
62	SPP Congestion Costs OSS	4470332	2,808,674	0	0	0	0	0	0	0	0	0
63	Prov Rate Refund-Nonaffiliated	4491002	(24,534,148)	0	0	0	0	0	0	0	0	0
64	Prov Rate Refund - Retail	4491003	0	0	0	0	0	0	0	0	0	0
65	Prov Rate Refund - Affiliated	4491004	(25,134,067)	0	0	0	0	0	0	0	0	0
66	Prov Rate Refund-Exces Protect	4491019	(3,035,670)	0	0	0	0	0	0	0	0	0
67	Forfeited Discounts	4500000	4,580,410	0	0	0	0	0	0	0	0	0
68	Misc Service Rev - Nonaffil	4510001	1,797,133	0	0	0	0	0	0	0	0	0
69	Rent From Elect Property - Af	4540001	1,470,793	0	0	0	0	0	0	0	0	0
70	Rent From Elect Property-NAC	4540002	2,172,206	0	0	0	0	0	0	0	0	0
71	Rent From Elect Prop-ABD-Nonaf	4540004	48,329	0	0	0	0	0	0	0	0	0
72	Rent from Elec Prop-Pole Atch	4540005	5,908,473	0	0	0	0	0	0	0	0	0
73	Oth Elect Rev - DSM Program	4560007	0	0	0	0	0	0	0	0	0	0
74	Oth Elect Rev - Royalties	4560010	946,623	0	0	0	0	0	0	0	0	0
75	Oth Elect Rev - Nonaffiliated	4560012	1,622,464	0	0	0	0	0	0	0	0	0
76	Oth Elect Rev-Trans-Nonaffil	4560013	855,193	0	0	0	0	0	0	0	0	0
77	Other Electric Revenues - ABD	4560015	1,112,334	0	0	0	0	0	0	0	0	0
78	Financial Trading Rev-Unreal	4560016	0	0	0	0	0	0	0	0	0	0
79	Plant Operations O/H Revenues	4560025	2,867,189	0	0	0	0	0	0	0	0	0
80	DSM Security Deposit Revenues	4560038	0	0	0	0	0	0	0	0	0	0
81	Miscellaneous Revenue-NonAffil	4560041	0	0	0	0	0	0	0	0	0	0
82	Merch Generation Finan -Realzd	4560049	0	0	0	0	0	0	0	0	0	0
83	Oth Elec Rev-Coal Trd Rlzd G-L	4560050	0	0	0	0	0	0	0	0	0	0
84	Oth Elect Rev-Trans-ERCOT area	4560102	0	0	0	0	0	0	0	0	0	0
85	Interest Rate Swaps-Coal	4560109	0	0	0	0	0	0	0	0	0	0
86	SPP Non-Affil Base Funding Rev	4561008	28,476,752	0	0	0	0	0	0	0	0	0
87	SPP Affil Base Funding Cost	4561009	(16,819,995)	0	0	0	0	0	0	0	0	0
88	SPP Affil Base Funding Rev	4561010	22,976,524	0	0	0	0	0	0	0	0	0
89	SPP Pt to Pt Trans Serv Rev	4561011	5,725,201	0	0	0	0	0	0	0	0	0
90	SPP Direct Assignment	4561012	1,254,603	0	0	0	0	0	0	0	0	0
91	SPP Affiliated NITS Revenue	4561013	82,547,540	0	0	0	0	0	0	0	0	0
92	SPP Ancillary Services	4561014	479,223	0	0	0	0	0	0	0	0	0
93	SPP Ancillary Schedule 1	4561015	362,833	0	0	0	0	0	0	0	0	0
94	SPP Affiliated Trans NITS Cost	4561016	(61,875,827)	0	0	0	0	0	0	0	0	0
95	Oth Elect Revenues - Ancillary	4561017	840	0	0	0	0	0	0	0	0	0
96	Oth Elec Rev Trans Non Affil	4561019	0	0	0	0	0	0	0	0	0	0
97	SPP NITS	4561021	27,962,012	0	0	0	0	0	0	0	0	0
98	SPP Pt to Pt Trans Affil Cost	4561038	0	0	0	0	0	0	0	0	0	0
99	SPP Pt to Pt Trans Affil Rev	4561039	0	0	0	0	0	0	0	0	0	0
100	Affil SPPAncillary Sch 1 Cost	4561040	(589,379)	0	0	0	0	0	0	0	0	0
101	Affil SPPAncillary Sch 1 Rev	4561041	772,680	0	0	0	0	0	0	0	0	0
102	SPP Base Funding - Contra	4561042	982,208	0	0	0	0	0	0	0	0	0
103	PROVISION RTO Cost - Affi	4561062	(1,019,310)	0	0	0	0	0	0	0	0	0
104	PROVISION RTO Rev Affiliated	4561063	1,349,664	0	0	0	0	0	0	0	0	0
105	PROVISION RTO Rev - NonAff	4561065	3,630,222	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
			A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising, Due Contributions Memberships	A-3 15 USWAG Membrshp Dues	A-3 16 Catastrophe Reserve/ Storr O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
52	Interest Rate Swaps-Power	4470168	0	0	0	0	0	0	0	0	0	0	0
53	OSS Sharing Reclass - Retail	4470175	0	0	0	0	0	0	0	0	0	0	0
54	OSS Sharing Reclass-Reduction	4470176	0	0	0	0	0	0	0	0	0	0	0
55	Merchant Fuel Revenue	4470219	0	0	0	0	0	0	0	0	0	0	0
56	Merchant Sales Margin	4470223	0	0	0	0	0	0	0	0	0	0	0
57	SPP Net Regulation OSS	4470320	0	0	0	0	0	0	0	0	0	0	0
58	SPP Net Spinning Reserve OSS	4470321	0	0	0	0	0	0	0	0	0	0	0
59	SPP Net Supp Reserve OSS	4470324	0	0	0	0	0	0	0	0	0	0	0
60	SPP Net Marginal Losses OSS	4470326	0	0	0	0	0	0	0	0	0	0	0
61	SPP Net Make Whole Payment OSS	4470328	0	0	0	0	0	0	0	0	0	0	0
62	SPP Congestion Costs OSS	4470332	0	0	0	0	0	0	0	0	0	0	0
63	Prov Rate Refund-Nonaffiliated	4491002	0	0	0	0	0	0	0	0	0	0	0
64	Prov Rate Refund - Retail	4491003	0	0	0	0	0	0	0	0	0	0	0
65	Prov Rate Refund - Affiliated	4491004	0	0	0	0	0	0	0	0	0	0	0
66	Prov Rate Refund-Exces Protect	4491019	0	0	0	0	0	0	0	0	0	0	0
67	Forfeited Discounts	4500000	0	0	0	0	0	0	0	0	0	0	0
68	Misc Service Rev - Nonaffil	4510001	0	0	0	0	0	0	0	0	0	0	0
69	Rent From Elect Property - Af	4540001	0	0	0	0	0	0	0	0	0	0	0
70	Rent From Elect Property-NAC	4540002	0	0	0	0	0	0	0	0	0	0	0
71	Rent From Elect Prop-ABD-Nonaf	4540004	0	0	0	0	0	0	0	0	0	0	0
72	Rent from Elec Prop-Pole Attch	4540005	0	0	0	0	0	0	0	0	0	0	0
73	Oth Elect Rev - DSM Program	4560007	0	0	0	0	0	0	0	0	0	0	0
74	Oth Elect Rev - Royalties	4560010	0	0	0	0	0	0	0	0	0	0	0
75	Oth Elect Rev - Nonaffiliated	4560012	0	0	0	0	0	0	0	0	0	0	0
76	Oth Elect Rev-Trans-Nonaffil	4560013	0	0	0	0	0	0	0	0	0	0	0
77	Other Electric Revenues - ABD	4560015	0	0	0	0	0	0	0	0	0	0	0
78	Financial Trading Rev-Unreal	4560016	0	0	0	0	0	0	0	0	0	0	0
79	Plant Operations O/H Revenues	4560025	0	0	0	0	0	0	0	0	0	0	0
80	DSM Securtly Deposit Revenues	4560038	0	0	0	0	0	0	0	0	0	0	0
81	Miscellaneous Revenue-NonAffil	4560041	0	0	0	0	0	0	0	0	0	0	0
82	Merch Generation Finan -Realzd	4560049	0	0	0	0	0	0	0	0	0	0	0
83	Oth Elec Rev-Coal Trd Rlzd G-L	4560050	0	0	0	0	0	0	0	0	0	0	0
84	Oth Elect Rev-Trans-ERCOT area	4560102	0	0	0	0	0	0	0	0	0	0	0
85	Interest Rate Swaps-Coal	4560109	0	0	0	0	0	0	0	0	0	0	0
86	SPP Non-Affil Base Funding Rev	4561008	0	0	0	0	0	0	0	0	0	0	0
87	SPP Affil Base Funding Cost	4561009	0	0	0	0	0	0	0	0	0	0	0
88	SPP Affil Base Funding Rev	4561010	0	0	0	0	0	0	0	0	0	0	0
89	SPP Pt to Pt Trans Serv Rev	4561011	0	0	0	0	0	0	0	0	0	0	0
90	SPP Direct Assignment	4561012	0	0	0	0	0	0	0	0	0	0	0
91	SPP Affiliated NITS Revenue	4561013	0	0	0	0	0	0	0	0	0	0	0
92	SPP Ancillary Services	4561014	0	0	0	0	0	0	0	0	0	0	0
93	SPP Ancillary Schedule 1	4561015	0	0	0	0	0	0	0	0	0	0	0
94	SPP Affiliated Trans NITS Cost	4561016	0	0	0	0	0	0	0	0	0	0	0
95	Oth Elect Revenues - Ancillary	4561017	0	0	0	0	0	0	0	0	0	0	0
96	Oth Elec Rev Trans Non Affil	4561019	0	0	0	0	0	0	0	0	0	0	0
97	SPP NITS	4561021	0	0	0	0	0	0	0	0	0	0	0
98	SPP Pt to Pt Trans Affil Cost	4561038	0	0	0	0	0	0	0	0	0	0	0
99	SPP Pt to Pt Trans Affil Rev	4561039	0	0	0	0	0	0	0	0	0	0	0
100	Affil SPPAncillary Sch 1 Cost	4561040	0	0	0	0	0	0	0	0	0	0	0
101	Affil SPPAncillary Sch 1 Rev	4561041	0	0	0	0	0	0	0	0	0	0	0
102	SPP Base Funding - Contra	4561042	0	0	0	0	0	0	0	0	0	0	0
103	PROVISION RTO Cost - Affi	4561062	0	0	0	0	0	0	0	0	0	0	0
104	PROVISION RTO Rev Affiliated	4561063	0	0	0	0	0	0	0	0	0	0	0
105	PROVISION RTO Rev - NonAff	4561065	0	0	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)	(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No	Description Account No										
52	Interest Rate Swaps-Power	4470168	0	0	0	0	0	0	0	0	0
53	OSS Sharing Reclass - Retail	4470175	0	0	0	0	(9,183,522)	0	0	(9,183,522)	
54	OSS Sharing Reclass-Reduction	4470176	0	0	0	0	9,183,522	0	0	9,183,522	
55	Merchant Fuel Revenue	4470219	0	0	0	0	(10,270,580)	0	0	(10,270,580)	
56	Merchant Sales Margin	4470223	0	0	0	0	(2,863,937)	0	0	(2,863,937)	
57	SPP Net Regulation OSS	4470320	0	0	0	0	(2,031,657)	0	0	(2,031,657)	
58	SPP Net Spinning Reserve OSS	4470321	0	0	0	0	(4,125,103)	0	0	(4,125,103)	
59	SPP Net Supp Reserve OSS	4470324	0	0	0	0	(138,210)	0	0	(138,210)	
60	SPP Net Marginal Losses OSS	4470326	0	0	0	0	(1,189,578)	0	0	(1,189,578)	
61	SPP Net Make Whole Payment OSS	4470328	0	0	0	0	(623,603)	0	0	(623,603)	
62	SPP Congestion Costs OSS	4470332	0	0	0	0	(2,808,674)	0	0	(2,808,674)	
63	Prov Rate Refund-Nonaffiliated	4491002	0	0	0	24,534,148	0	0	0	24,534,148	
64	Prov Rate Refund - Retail	4491003	0	0	0	0	0	0	0	0	
65	Prov Rate Refund - Affiliated	4491004	0	0	0	25,134,067	0	0	0	25,134,067	
66	Prov Rate Refund-Exces Protect	4491019	0	0	0	3,035,670	0	0	0	3,035,670	
67	Forfeited Discounts	4500000	0	0	0	0	0	0	0	0	
68	Misc Service Rev - Nonaffil	4510001	0	0	0	0	0	0	0	0	
69	Rent From Elect Property - Af	4540001	0	0	0	0	0	0	0	0	
70	Rent From Elect Property-NAC	4540002	0	0	0	0	0	0	0	0	
71	Rent From Elect Prop-ABD-Nonaf	4540004	0	0	0	0	0	0	0	0	
72	Rent from Elec Prop-Pole Atch	4540005	0	0	0	0	0	0	(3,494)	(3,494)	
73	Oth Elect Rev - DSM Program	4560007	0	0	0	0	0	0	0	0	
74	Oth Elect Rev - Royalties	4560010	0	0	0	0	0	0	0	0	
75	Oth Elect Rev - Nonaffiliated	4560012	0	0	0	0	0	0	0	0	
76	Oth Elect Rev-Trans-Nonaffil	4560013	0	0	0	0	0	0	0	0	
77	Other Electric Revenues - ABD	4560015	0	0	0	0	0	0	0	0	
78	Financial Trading Rev-Unreal	4560016	0	0	0	0	0	0	0	0	
79	Plant Operations O/H Revenues	4560025	0	0	0	0	0	0	0	0	
80	DSM Security Deposit Revenues	4560038	0	0	0	0	0	0	0	0	
81	Miscellaneous Revenue-NonAffil	4560041	0	0	0	0	0	0	0	0	
82	Merch Generation Finan -Realzd	4560049	0	0	0	0	0	0	0	0	
83	Oth Elec Rev-Coal Trd Rlzd G-L	4560050	0	0	0	0	0	0	0	0	
84	Oth Elect Rev-Trans-ERCOT area	4560102	0	0	0	0	0	0	0	0	
85	Interest Rate Swaps-Coal	4560109	0	0	0	0	0	0	0	0	
86	SPP Non-Affil Base Funding Rev	4561008	0	0	0	0	0	0	(1,030,186)	(1,030,186)	
87	SPP Affil Base Funding Cost	4561009	0	0	0	0	0	0	16,819,995	16,819,995	
88	SPP Affil Base Funding Rev	4561010	0	0	0	0	0	0	(743,449)	(743,449)	
89	SPP Pt to Pt Trans Serv Rev	4561011	0	0	0	0	0	0	(218,591)	(218,591)	
90	SPP Direct Assignment	4561012	0	0	0	0	0	0	0	0	
91	SPP Affiliated NITS Revenue	4561013	0	0	0	0	0	0	(2,003,979)	(2,003,979)	
92	SPP Ancillary Services	4561014	0	0	0	0	0	0	0	0	
93	SPP Ancillary Schedule 1	4561015	0	0	0	0	0	0	0	0	
94	SPP Affiliated Trans NITS Cost	4561016	0	0	0	0	0	0	61,875,827	61,875,827	
95	Oth Elect Revenues - Ancillary	4561017	0	0	0	0	0	0	0	0	
96	Oth Elec Rev Trans Non Affil	4561019	0	0	0	0	0	0	0	0	
97	SPP NITS	4561021	0	0	0	0	0	0	(656,660)	(656,660)	
98	SPP Pt to Pt Trans Affil Cost	4561038	0	0	0	0	0	0	0	0	
99	SPP Pt to Pt Trans Affil Rev	4561039	0	0	0	0	0	0	0	0	
100	Affil SPPAncillary Sch 1 Cost	4561040	0	0	0	0	0	0	589,379	589,379	
101	Affil SPPAncillary Sch 1 Rev	4561041	0	0	0	0	0	0	0	0	
102	SPP Base Funding - Contra	4561042	0	0	0	0	0	0	0	0	
103	PROVISION RTO Cost - Affi	4561062	0	0	0	0	0	0	0	0	
104	PROVISION RTO Rev Affiliated	4561063	0	0	0	0	0	0	(449,888)	(449,888)	
105	PROVISION RTO Rev - NonAff	4561065	0	0	0	0	0	0	(592,002)	(592,002)	

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(40)

Line	(1)	(2)	Total
No	Description	Account No	Company Proforma Balance
52	Interest Rate Swaps-Power	4470168	0
53	OSS Sharing Reclass - Retail	4470175	(0)
54	OSS Sharing Reclass-Reduction	4470176	0
55	Merchant Fuel Revenue	4470219	0
56	Merchant Sales Margin	4470223	0
57	SPP Net Regulation OSS	4470320	(0)
58	SPP Net Spinning Reserve OSS	4470321	0
59	SPP Net Supp Reserve OSS	4470324	(0)
60	SPP Net Marginal Losses OSS	4470326	0
61	SPP Net Make Whole Payment OSS	4470328	0
62	SPP Congestion Costs OSS	4470332	0
63	Prov Rate Refund-Nonaffiliated	4491002	0
64	Prov Rate Refund - Retail	4491003	0
65	Prov Rate Refund - Affiliated	4491004	0
66	Prov Rate Refund-Exces Protect	4491019	(0)
67	Forfeited Discounts	4500000	4,580,410
68	Misc Service Rev - Nonaffil	4510001	1,797,133
69	Rent From Elect Property - Af	4540001	1,470,793
70	Rent From Elect Property-NAC	4540002	2,172,206
71	Rent From Elect Prop-ABD-Nonaf	4540004	48,329
72	Rent from Elec Prop-Pole Atch	4540005	5,904,979
73	Oth Elect Rev - DSM Program	4560007	0
74	Oth Elect Rev - Royalties	4560010	946,623
75	Oth Elect Rev - Nonaffiliated	4560012	1,622,464
76	Oth Elect Rev-Trans-Nonaffil	4560013	855,193
77	Other Electric Revenues - ABD	4560015	1,112,334
78	Financial Trading Rev-Unreal	4560016	0
79	Plant Operations O/H Revenues	4560025	2,867,189
80	DSM Security Deposit Revenues	4560038	0
81	Miscellaneous Revenue-NonAffil	4560041	0
82	Merch Generation Finan -Realzd	4560049	0
83	Oth Elec Rev-Coal Trd Rlzd G-L	4560050	0
84	Oth Elect Rev-Trans-ERCOT area	4560102	0
85	Interest Rate Swaps-Coal	4560109	0
86	SPP Non-Affil Base Funding Rev	4561008	27,446,566
87	SPP Affil Base Funding Cost	4561009	0
88	SPP Affil Base Funding Rev	4561010	22,233,075
89	SPP Pt to Pt Trans Serv Rev	4561011	5,506,610
90	SPP Direct Assignment	4561012	1,254,603
91	SPP Affiliated NITS Revenue	4561013	80,543,561
92	SPP Ancillary Services	4561014	479,223
93	SPP Ancillary Schedule 1	4561015	362,833
94	SPP Affiliated Trans NITS Cost	4561016	0
95	Oth Elect Revenues - Ancillary	4561017	840
96	Oth Elec Rev Trans Non Affil	4561019	0
97	SPP NITS	4561021	27,305,352
98	SPP Pt to Pt Trans Affil Cost	4561038	0
99	SPP Pt to Pt Trans Affil Rev	4561039	0
100	Affil SPPAncillary Sch 1 Cost	4561040	0
101	Affil SPPAncillary Sch 1 Rev	4561041	772,680
102	SPP Base Funding - Contra	4561042	982,208
103	PROVISION RTO Cost - Affi	4561062	(1,019,310)
104	PROVISION RTO Rev Affiliated	4561063	899,776
105	PROVISION RTO Rev - NonAff	4561065	3,038,220

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				A-3 1	A-3 2	A-3 3	A-3 4	A-3 5	A-3 6	A-3 7	A-3 8	A-3 9
Line No	Description	Account No	Total Company March 31, 2020	SWEP Co Payroll	SWEP Co Annual Incentive	SWEP Co Long Term Incentive Plan	Depreciation Expense	Factoring Expense	Misc Rider	Retired Unit O&M Costs	Amort Adjustment	Credit Line Fee Expense
106	PROVISION RTO Rev-Affil NoElim	4561073	2,293,575	0	0	0	0	0	0	0	0	0
107	Total Miscellaneous Revenues		124,518,406	0	0	0	0	0	0	0	0	0
108	Required Adjustment for Rate Filing		0	0	0	0	0	0	0	0	0	0
109	Total Electric Operating Revenues		1 710 435,177	0	0	0	0	0	0	0	0	0
110	Production Expense - Steam Generation											
111	Operations											
112	Operation supervision and engineering	5000	21,645,237	151,922	(372,466)	(18,437)	0	0	0	(45,086)	0	0
113	Fuel Reconcilable	5010	399,631,093	1,460	(5,903)	(256)	0	0	0	0	0	0
114	Fuel Non Reconcilable	5010	0	0	0	0	0	0	0	0	0	0
115	Steam Expenses	5020	19,098,323	197,578	(700,194)	(29,594)	0	0	0	(127,644)	0	0
116	Electric expenses	5050	10,576,275	205,071	(599,134)	(26,157)	0	0	0	(112,471)	0	0
117	Miscellaneous steam power expenses	5060	16,480,428	91,619	1,235,465	(4,800)	0	0	0	(21,000)	0	0
118	Rents	5070	3,339	0	0	0	0	0	0	0	0	0
119	Operations supplies and expenses	5080	0	0	0	0	0	0	0	0	0	0
120	Allowance Expense	5090	333,862	0	0	0	0	0	0	0	0	0
121	Total Operation		467,768,557	647,651	(442,232)	(79,243)	0	0	0	(306,201)	0	0
122	Maintenance											
123	Maintenance supervision and engineering	5100	5,221,988	113,178	(300,773)	(12,761)	0	0	0	(74,032)	0	0
124	Maintenance of structures	5110	5,930,496	23,959	(67,427)	(2,903)	0	0	0	(29,747)	0	0
125	Maintenance of boiler plant	5120	36,899,429	236,109	(697,665)	(30,352)	0	0	0	(151,667)	0	0
126	Maintenance of electric plant	5130	8,232,373	50,366	(179,340)	(7,256)	0	0	0	(23,423)	0	0
127	Maintenance of misc steam plant	5140/ 5170-535	7,151,128	53,217	(133,311)	(6,183)	0	0	0	(12,621)	0	0
128	Total Maintenance		63,435,414	476,830	(1,378,517)	(59,456)	0	0	0	(291,490)	0	0
129	Total Production Expense - Steam		531,203,971	1,124,481	(1,820,749)	(138,699)	0	0	0	(597,691)	0	0
130	Other Power Generation											
131	Operation											
132	Operation supervision and engineering	70/5390/5450/5-	4,833	0	0	0	0	0	0	(518)	0	0
133	Fuel	5470	10,520,437	0	0	0	0	0	0	0	0	0
134	Generation expenses	5480	257,827	5,944	(16,555)	(756)	0	0	0	0	0	0
135	Misc other power generation expenses	5490	6,031	0	0	0	0	0	0	0	0	0
136	Underground Storage Expenses	8140	53	0	0	0	0	0	0	0	0	0
137	Total Operation		10,789,181	5,944	(16,555)	(756)	0	0	0	(518)	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1) Line No	(2) Description Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
		A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising, Due Contributions Memberships	A-3 15 USWAG Membrshp Dues	A-3 16 Catastrophe Reserve/ Storm O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
106	PROVISION RTO Rev-Affil NoElim	4561073	0	0	0	0	0	0	0	0	0	0
107	Total Miscellaneous Revenues		0	0	0	0	0	0	0	0	0	0
108	Required Adjustment for Rate Filing		0	0	0	0	0	0	0	0	0	0
109	Total Electric Operating Revenues		0	0	0	0	0	0	0	0	0	0
110	Production Expense - Steam Generation											
111	Operations											
112	Operation supervision and engineering	5000	0	0	0	0	0	0	0	(1,014,687)	0	0
113	Fuel Reconcilable	5010	0	0	0	0	0	0	0	(42,056)	0	0
114	Fuel Non Reconcilable	5010	0	0	0	0	0	0	0	0	0	0
115	Steam Expenses	5020	0	0	0	0	0	0	0	(11,832)	0	0
116	Electric expenses	5050	0	0	0	0	0	0	0	(131)	0	0
117	Miscellaneous steam power expenses	5060	0	0	0	(120)	(489)	0	0	768,648	0	0
118	Rents	5070	0	0	0	0	0	0	0	0	0	0
119	Operations supplies and expenses	5080	0	0	0	0	0	0	0	0	0	0
120	Allowance Expense	5090	0	0	0	0	0	0	0	0	0	0
121	Total Operation		0	0	0	(120)	(489)	0	0	(300,058)	0	0
122	Maintenance											
123	Maintenance supervision and engineering	5100	0	0	0	0	0	0	0	(90,149)	0	0
124	Maintenance of structures	5110	0	0	0	0	0	0	0	(16,940)	0	0
125	Maintenance of boiler plant	5120	0	0	0	0	0	0	0	(124,963)	0	0
126	Maintenance of electric plant	5130	0	0	0	0	0	0	0	(32,366)	0	0
127	Maintenance of misc steam plant	5140/ 5170-535	0	0	0	(25)	0	0	0	(54,752)	0	0
128	Total Maintenance		0	0	0	(25)	0	0	0	(319,169)	0	0
129	Total Production Expense - Steam		0	0	0	(145)	(489)	0	0	(619,227)	0	0
130	Other Power Generation											
131	Operation											
132	Operation supervision and engineering	70/5390/5450/5-	0	0	0	0	0	0	0	(8,192)	0	0
133	Fuel	5470	0	0	0	0	0	0	0	0	0	0
134	Generation expenses	5480	0	0	0	0	0	0	0	0	0	0
135	Misc other power generation expenses	5490	0	0	0	0	0	0	0	0	0	0
136	Underground Storage Expenses	8140	0	0	0	0	0	0	0	0	0	0
137	Total Operation		0	0	0	0	0	0	0	(8,192)	0	0



SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31 2020

For the Test Year Ended March 31, 2020												
	(1)	(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No	Description	Account No										
106	PROVISION RTO Rev-Affil NoElim	4561073	0	0	0	0	0	0	0	0	0	
107	Total Miscellaneous Revenues		0	0	0	52,703,884	0	(55,331,777)	0	73,586,953	70,959,061	0
108	Required Adjustment for Rate Filing		0	0	0	0	0	0	0	0	0	
109	Total Electric Operating Revenues		0	0	0	52,703,884	0	(681,355,604)	0	73,586,953	(555,064,766)	0
110	Production Expense - Steam Generation											
111	Operations											
112	Operation supervision and engineering	5000	0	0	0	0	(352)	0	0	0	(1,299,105)	
113	Fuel Reconcilable	5010	0	0	0	0	0	0	(399,631,093)	0	(399,677,847)	
114	Fuel Non Reconcilable	5010	0	0	0	0	0	0	17,146,304	0	17,146,304	
115	Steam Expenses	5020	0	0	0	0	(1,174)	0	(7,539,937)	0	(8,212,796)	
116	Electric expenses	5050	0	0	0	0	0	0	0	0	(532,822)	
117	Miscellaneous steam power expenses	5060	0	0	0	0	(44,531)	0	0	0	2,024,792	
118	Rents	5070	0	0	0	0	0	0	0	0	0	
119	Operations supplies and expenses	5080	0	0	0	0	0	0	0	0	0	
120	Allowance Expense	5090	0	0	0	0	0	0	(41,727)	0	(41,727)	
121	Total Operation		0	0	0	0	(46,057)	0	(390,066,452)	0	(390,593,201)	0
122	Maintenance											
123	Maintenance supervision and engineering	5100	0	0	0	0	(2,884)	0	0	0	(367,421)	
124	Maintenance of structures	5110	0	0	0	0	(6,310)	0	0	0	(99,368)	
125	Maintenance of boiler plant	5120	0	0	0	0	(528)	0	0	0	(769,067)	
126	Maintenance of electric plant	5130	0	0	0	0	0	0	0	0	(192,019)	
127	Maintenance of misc steam plant	5140/ 5170-535	0	0	0	0	(10,481)	0	0	0	(164,156)	
128	Total Maintenance		0	0	0	0	(20,203)	0	0	0	(1,592,030)	0
129	Total Production Expense - Steam		0	0	0	0	(66,260)	0	(390,066,452)	0	(392,185,231)	0
130	Other Power Generation											
131	Operation											
132	Operation supervision and engineering	70/5390/5450/5-	0	0	0	0	0	0	0	0	(8,710)	
133	Fuel	5470	0	0	0	0	0	0	(10,520,437)	0	(10,520,437)	
134	Generation expenses	5480	0	0	0	0	0	0	0	0	(11,367)	
135	Misc other power generation expenses	5490	0	0	0	0	0	0	0	0	0	
136	Underground Storage Expenses	8140	0	0	0	0	(53)	0	0	0	(53)	
137	Total Operation		0	0	0	0	(53)	0	(10,520,437)	0	(10,540,566)	

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(40)

Line No	(1) Description	(2) Account No	Total Company Proforma Balance
106	PROVISION RTO Rev-Affil NoElim	4561073	2,293,575
107	Total Miscellaneous Revenues		195,477,466
108	Required Adjustment for Rate Filing		0
109	Total Electric Operating Revenues		1 155 370,411
110	Production Expense - Steam Generation		
111	Operations		
112	Operation supervision and engineering	5000	20,346,132
113	Fuel Reconcilable	5010	(46,754)
114	Fuel Non Reconcilable	5010	17 146,304
115	Steam Expenses	5020	10 885,527
116	Electric expenses	5050	10,043,453
117	Miscellaneous steam power expenses	5060	18,505,220
118	Rents	5070	3 339
119	Operations supplies and expenses	5080	0
120	Allowance Expense	5090	292,135
121	Total Operation		77,175,357
122	Maintenance		
123	Maintenance supervision and engineering	5100	4,854,567
124	Maintenance of structures	5110	5,831,128
125	Maintenance of boiler plant	5120	36,130,362
126	Maintenance of electric plant	5130	8 040,354
127	Maintenance of misc steam plant	5140/ 5170-535	6,986,972
128	Total Maintenance		61,843,384
129	Total Production Expense - Steam		139,018,740
130	Other Power Generation		
131	Operation		
132	Operation supervision and engineering	70/5390/5450/5-	(3,877)
133	Fuel	5470	(0)
134	Generation expenses	5480	246,461
135	Misc other power generation expenses	5490	6,031
136	Underground Storage Expenses	8140	0
137	Total Operation		248,615

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

On the Post Paid Ended March 31, 2020												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line				A-3 1	A-3 2	A-3 3	A-3 4	A-3 5	A-3 6	A-3 7	A-3 8	A-3 9
No	Description	Account No	Total Company March 31, 2020	SWEPCo Payroll	SWEPCo Annual Incentive	SWEPCo Long Term Incentive Plan	Depreciation Expense	Factoring Expense	Misc Rider	Retired Unit O&M Costs	Amort Adjustment	Credit Line Fee Expense
138	Maintenance											
139	Maint Supv & Engineering	5510	(35)	0	0	0	0	0	0	0	0	0
		5420/5440/55										
140	Maintenance of structures	20/5430	961	66	(298)	(8)	0	0	0	0	0	0
141	Maintenance of generating and elec plant	5530	827,970	9,008	(24,602)	(1,061)	0	0	0	0	0	0
142	Maint of Misc other power gen plant	5540	81,759	0	0	0	0	0	0	0	0	0
143	Total Maintenance		910,655	9,074	(24,900)	(1,069)	0	0	0	0	0	0
144	Total Production Expense - Other		11,699,836	15,019	(41,455)	(1,825)	0	0	0	(518)	0	0
145	Other Power Supply Expenses											
146	Purchased power and power exchange	5550	207,609,120	0	0	0	0	0	0	0	0	0
147	System control and load dispatching	5560	1,494,472	0	0	0	0	0	0	0	0	0
148	Other Production Expense	5570	1,822,709	0	0	0	0	0	0	0	0	0
149	Total other power supply expenses		210,926,301	0	0	0	0	0	0	0	0	0
150	Total Power Production Expenses		753,830,108	1,139,499	(1,862,204)	(140,524)	0	0	0	(598,209)	0	0
151	TRANSMISSION EXPENSES											
152	Operation											
153	Operation supervision and engineer	5600	10,546,443	41,888	(130,309)	(1,148)	0	0	0	(11,343)	0	0
154	Load dispatch - reliability	5611	0	0	0	0	0	0	0	0	0	0
155	Load dispatch - monitor and operate trans sys	5612	1,073,774	20	(67)	(1)	0	0	0	0	0	0
156	Load dispatch - trans service and scheduling	5613	417	0	0	0	0	0	0	0	0	0
157	Scheduling, system control and disatch services	5614	11,545,148	0	0	0	0	0	0	0	0	0
158	Reliability planning and standards development	5615	251,831	0	0	0	0	0	0	0	0	0
159	Reliability planning and standards devel services	5618	914,530	0	0	0	0	0	0	0	0	0
160	Station expenses	5620	1,235,007	6,985	(28,430)	(245)	0	0	0	0	0	0
161	Overhead line expenses	5630	430,199	588	(1,033)	(23)	0	0	0	0	0	0
162	Underground line expenses	5640	1,573	0	0	0	0	0	0	0	0	0
163	Transmission of electricity by others	5650	73,241,705	0	0	0	0	0	0	0	0	0
164	Miscellaneous transmission expenses	5660	2,924,908	8,531	273,078	(106)	0	0	0	0	0	0
165	Rents	5670	25,508	0	0	0	0	0	0	0	0	0
166	SPP Admin-MAM&SC	5757	2,366,891	0	0	0	0	0	0	0	0	0
167	Total operation		104,557,934	58,012	113,240	(1,522)	0	0	0	(11,343)	0	0
168	Maintenance											
169	Maintenance supervision and engineering	5680	15,702	93	(187)	(3)	0	0	0	0	0	0
170	Maintenance of structures	5690	36,341	137	(341)	(1)	0	0	0	0	0	0
171	Maintenance of computer hardware	5691	9,937	0	0	0	0	0	0	0	0	0
172	Maintenance of computer software	5692	642,128	0	0	0	0	0	0	0	0	0
173	Maintenance of computer equipment	5693	56,944	0	0	0	0	0	0	0	0	0
174	Maintenance of station equipment	5700	2,651,013	29,198	(86,504)	(1,268)	0	0	0	0	0	0
175	Maintenance of overhead lines	5710	14,533,315	10,523	(33,512)	(407)	0	0	0	0	0	0
176	Maintenance of Underground Lines	5720	11,239	0	0	0	0	0	0	0	0	0
177	Maintenance of Miscellaneous Transmission Plant	5730	85,869	0	0	0	0	0	0	0	0	0
178	Total Maintenance		18,042,487	39,951	(120,545)	(1,678)	0	0	0	0	0	0
179	Total Transmission Expenses		122,600,421	97,963	(7,305)	(3,201)	0	0	0	(11,343)	0	0
180	DISTRIBUTION EXPENSES											
181	Operation											
182	Operation supervision and engineer	5800	2,632,859	18,876	(80,902)	(6,707)	0	0	0	0	0	0
183	Load dispatching	5810	62,781	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31 2020

Line No	(1) Description	(2) Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
			A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising, Due Contributions Memberships	A-3 15 USWAG Membership Dues	A-3 16 Catastrophe Reserve/ Storm O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
138	Maintenance												
139	Maint Supv & Engineering	5510	0	0	0	0	0	0	0	0	2	0	0
		5420/5440/55											
		20/5430	0	0	0	0	0	0	0	0	300	0	0
140	Maintenance of structures	5530	0	0	0	0	0	0	0	0	(745)	0	0
141	Maintenance of generating and elec plant	5540	0	0	0	0	0	0	0	0	0	0	0
142	Maint of Misc other power gen plant												
143	Total Maintenance		0	0	0	0	0	0	0	0	(443)	0	0
144	Total Production Expense - Other		0	0	0	0	0	0	0	0	(8,634)	0	0
145	Other Power Supply Expenses												
146	Purchased power and power exchange	5550	0	0	0	0	0	0	0	0	0	0	0
147	System control and load dispatching	5560	0	0	0	0	0	0	0	0	(103,460)	0	0
148	Other Production Expense	5570	0	0	0	0	0	0	0	0	(225,109)	0	0
149	Total other power supply expenses		0	0	0	0	0	0	0	0	(328,569)	0	0
150	Total Power Production Expenses		0	0	0	0	(145)	(489)	0	0	(956,430)	0	0
151	TRANSMISSION EXPENSES												
152	Operation												
153	Operation supervision and engineer	5600	0	0	0	0	0	0	0	0	(463,195)	0	0
154	Load dispatch - reliability	5611	0	0	0	0	0	0	0	0	0	0	0
155	Load dispatch - monitor and operate trans sys	5612	0	0	0	0	0	0	0	0	(43,787)	0	0
156	Load dispatch - trans service and scheduling	5613	0	0	0	0	0	0	0	0	0	0	0
157	Scheduling, system control and disatch services	5614	0	0	0	0	0	0	0	0	0	0	0
158	Reliability planning and standards development	5615	0	0	0	0	0	0	0	0	(9,586)	0	0
159	Reliability planning and standards devel services	5618	0	0	0	0	0	0	0	0	0	0	0
160	Station expenses	5620	0	0	0	0	0	0	0	0	(1,086)	0	0
161	Overhead line expenses	5630	0	0	0	0	0	0	0	0	(1,112)	0	0
162	Underground line expenses	5640	0	0	0	0	0	0	0	0	19	0	0
163	Transmission of electricity by others	5650	0	0	0	0	0	0	0	0	0	0	0
164	Miscellaneous transmission expenses	5660	0	0	0	0	0	0	0	373,615	(200,014)	0	0
165	Rents	5670	0	0	0	0	0	0	0	0	(1)	0	0
166	SPP Admin-MAM&SC	5757	0	0	0	0	0	0	0	0	0	0	0
167	Total operation		0	0	0	0	0	0	0	373,615	(718,762)	0	0
168	Maintenance												
169	Maintenance supervision and engineering	5680	0	0	0	0	0	0	0	0	(767)	0	0
170	Maintenance of structures	5690	0	0	0	0	0	0	0	0	11	0	0
171	Maintenance of computer hardware	5691	0	0	0	0	0	0	0	0	(312)	0	0
172	Maintenance of computer software	5692	0	0	0	0	0	0	0	0	(5,624)	0	0
173	Maintenance of computer equipment	5693	0	0	0	0	0	0	0	0	0	0	0
174	Maintenance of station equipment	5700	0	0	0	0	0	0	0	0	(19,395)	0	0
175	Maintenance of overhead lines	5710	0	0	0	0	0	0	0	0	(4,308)	0	0
176	Maintenance of Underground Lines	5720	0	0	0	0	0	0	0	0	111	0	0
177	Maintenance of Miscellaneous Transmission Plant	5730	0	0	0	0	0	0	0	0	(4,658)	0	0
178	Total Maintenance		0	0	0	0	0	0	0	0	(34,943)	0	0
179	Total Transmission Expenses		0	0	0	0	0	0	0	373,615	(753,705)	0	0
180	DISTRIBUTION EXPENSES												
181	Operation												
182	Operation supervision and engineer	5800	0	0	0	0	0	0	0	0	(98,318)	0	0
183	Load dispatching	5810	0	0	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)	(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No	Description	Account No									
138	Maintenance										
139	Maint Supv & Engineering	5510	0	0	0	0	0	0	0	2	
		5420/5440/55									
140	Maintenance of structures	20/5430	0	0	0	0	0	0	0	61	
141	Maintenance of generating and elec plant	5530	0	0	0	(232)	0	0	0	(17,633)	
142	Maint of Misc other power gen plant	5540	0	0	0	0	0	0	0	0	
143	Total Maintenance		0	0	0	(232)	0	0	0	(17,570)	0
144	Total Production Expense - Other		0	0	0	(285)	0	(10,520,437)	0	(10,558,136)	0
145	Other Power Supply Expenses										
146	Purchased power and power exchange	5550	0	0	0	0	0	(200,987,454)	0	(200,987,454)	
147	System control and load dispatching	5560	0	0	0	0	0	0	0	(103,460)	
148	Other Production Expense	5570	0	0	0	0	0	1,480,596	0	1,255,487	
149	Total other power supply expenses		0	0	0	0	0	(199,506,858)	0	(199,835,427)	0
150	Total Power Production Expenses		0	0	0	(66,545)	0	(600,093,747)	0	(602,578,793)	0
151	TRANSMISSION EXPENSES										
152	Operation										
153	Operation supervision and engineer	5600	0	0	0	(1,265)	0	0	0	(565,371)	
154	Load dispatch - reliability	5611	0	0	0	0	0	0	0	0	
155	Load dispatch - monitor and operate trans sys	5612	0	0	0	0	0	0	0	(43,835)	
156	Load dispatch - trans service and scheduling	5613	0	0	0	0	0	0	0	0	
157	Scheduling, system control and disatch services	5614	0	0	0	0	0	0	0	0	
158	Reliability planning and standards development	5615	0	0	0	0	0	0	0	(9,586)	
159	Reliability planning and standards devel services	5618	0	0	0	0	0	0	0	0	
160	Station expenses	5620	0	0	0	(104)	0	0	0	(22,880)	
161	Overhead line expenses	5630	0	0	0	(463)	0	0	0	(2,043)	
162	Underground line expenses	5640	0	0	0	0	0	0	0	19	
163	Transmission of electricity by others	5650	0	0	0	0	0	0	79,285,201	79,285,201	
164	Miscellaneous transmission expenses	5660	0	0	0	(2,297)	0	0	0	452,808	
165	Rents	5670	0	0	0	0	0	0	0	(1)	
166	SPP Admin-MAM&SC	5757	0	0	0	0	0	0	0	0	
167	Total operation		0	0	0	(4,129)	0	0	79,285,201	79,094,312	0
168	Maintenance										
169	Maintenance supervision and engineering	5680	0	0	0	0	0	0	0	(864)	
170	Maintenance of structures	5690	0	0	0	0	0	0	0	(195)	
171	Maintenance of computer hardware	5691	0	0	0	0	0	0	0	(312)	
172	Maintenance of computer software	5692	0	0	0	0	0	0	0	(5,624)	
173	Maintenance of computer equipment	5693	0	0	0	0	0	0	0	0	
174	Maintenance of station equipment	5700	0	0	0	(402)	0	0	0	(78,372)	
175	Maintenance of overhead lines	5710	0	0	0	0	0	0	0	(27,704)	
176	Maintenance of Underground Lines	5720	0	0	0	0	0	0	0	111	
177	Maintenance of Miscellaneous Transmission Plant	5730	0	0	0	0	0	0	0	(4,658)	
178	Total Maintenance		0	0	0	(402)	0	0	0	(117,617)	0
179	Total Transmission Expenses		0	0	0	(4,530)	0	0	79,285,201	78,976,694	0
180	DISTRIBUTION EXPENSES										
181	Operation										
182	Operation supervision and engineer	5800	0	0	0	(340)	0	0	0	(167,391)	
183	Load dispatching	5810	0	0	0	(1,281)	0	0	0	(1,281)	

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

			(40)
Line	(1)	(2)	Total
No	Description	Account No	Company
			Proforma Balance
138	Maintenance		
139	Maint Supv & Engineering	5510	(33)
		5420/5440/55	
140	Maintenance of structures	20/5430	1 021
141	Maintenance of generating and elec plant	5530	810,337
142	Maint of Misc other power gen plant	5540	81,759
143	Total Maintenance		<u>893,085</u>
144	Total Production Expense - Other		<u>1,141,700</u>
145	Other Power Supply Expenses		
146	Purchased power and power exchange	5550	6,621,666
147	System control and load dispatching	5560	1,391,012
148	Other Production Expense	5570	3,078,196
149	Total other power supply expenses		<u>11,090,874</u>
150	Total Power Production Expenses		151,251,315
151	TRANSMISSION EXPENSES		
152	Operation		
153	Operation supervision and engineer	5600	9 981 072
154	Load dispatch - reliability	5611	0
155	Load dispatch - monitor and operate trans sys	5612	1,029,939
156	Load dispatch - trans service and scheduling	5613	417
157	Scheduling, system control and dispatch services	5614	11,545,148
158	Reliability planning and standards development	5615	242,245
159	Reliability planning and standards devel services	5618	914,530
160	Station expenses	5620	1,212,128
161	Overhead line expenses	5630	428,155
162	Underground line expenses	5640	1,592
163	Transmission of electricity by others	5650	152,526,905
164	Miscellaneous transmission expenses	5660	3,377,715
165	Rents	5670	25,507
166	SPP Admin-MAM&SC	5757	2,366,891
167	Total operation		<u>183,652,246</u>
168	Maintenance		
169	Maintenance supervision and engineering	5680	14,838
170	Maintenance of structures	5690	36,146
171	Maintenance of computer hardware	5691	9,625
172	Maintenance of computer software	5692	636,504
173	Maintenance of computer equipment	5693	56,944
174	Maintenance of station equipment	5700	2,572,641
175	Maintenance of overhead lines	5710	14,505,611
176	Maintenance of Underground Lines	5720	11,350
177	Maintenance of Miscellaneous Transmission Plant	5730	81,211
178	Total Maintenance		<u>17,924,870</u>
179	Total Transmission Expenses		201,577,116
180	DISTRIBUTION EXPENSES		
181	Operation		
182	Operation supervision and engineer	5800	2,465,468
183	Load dispatching	5810	61,500

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(3) Total Company March 31, 2020	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				A-3 1 SWEPCo Payroll	A-3 2 SWEPCo Annual Incentive	A-3 3 SWEPCo Long Term Incentive Plan	A-3 4 Depreciation Expense	A-3 5 Factoring Expense	A-3 6 Misc Rider	A-3 7 Retired Unit O&M Costs	A-3 8 Amort Adjustment	A-3 9 Credit Line Fee Expense
184	Station expenses	5820	749,112	8,812	(25,028)	(170)	0	0	0	0	0	0
185	Overhead line expenses	5830	1,752,384	(39,951)	(171,720)	(12,012)	0	0	0	0	0	0
186	Underground line expenses	5840	1,383,497	17,809	(60,315)	(2,864)	0	0	0	0	0	0
187	Street light and signal system exp	5850	162,030	744	(4,309)	(307)	0	0	0	0	0	0
188	Meter expenses	5860	3,819,316	73,986	(339,174)	(28,053)	0	0	0	0	0	0
189	Customer installation expenses	5870	410,742	7,546	(26,234)	(1,978)	0	0	0	0	0	0
190	Miscellaneous distribution expenses	5880	20,017,606	288,050	1,563,286	(74,626)	0	0	0	0	0	0
191	Rents	5890	889,843	0	0	0	0	0	0	0	0	0
192	Total operation		31,880,170	355,871	855,604	(126,716)	0	0	0	0	0	0
193	Maintenance											
194	Maintenance supervision and engineer	5900	166,883	3,521	(15,009)	(1,610)	0	0	0	0	0	0
195	Maintenance of structures	5910	39,491	200	(373)	(1)	0	0	0	0	0	0
196	Maintenance of station equipment	5920	2,040,674	19,495	(48,059)	(481)	0	0	0	0	0	0
197	Maintenance of overhead lines	5930	57,550,019	163,651	(1,165,149)	(107,015)	0	0	1,407,494	0	0	0
198	Maintenance of underground lines	5940	660,415	5,321	(19,961)	(1,068)	0	0	0	0	0	0
199	Maintenance of line transformers	5950	140,636	2,098	(9,129)	(969)	0	0	0	0	0	0
200	Maint of str lighting and signal sys	5960	303,595	3,852	(21,178)	(1,667)	0	0	0	0	0	0
201	Maintenance of meters	5970	442,928	9,902	(35,189)	(2,845)	0	0	0	0	0	0
202	Maintenance of misc. distrib plant	5980	371,393	5,859	(20,110)	(1,276)	0	0	0	0	0	0
203	Total Maintenance		61,716,035	213,899	(1,334,157)	(116,933)	0	0	1,407,494	0	0	0
204	Total Distribution Expenses		93,596,205	569,771	(478,554)	(243,649)	0	0	1,407,494	0	0	0
205	CUSTOMER ACCOUNTS EXPENSES											
206	Operation											
207	Supervision	9010	781,491	13,326	(63,286)	(6,372)	0	0	0	0	0	0
208	Meter reading expenses	9020	2,614,840	50,164	(179,102)	(13,696)	0	0	0	0	0	0
209	Customer records and collection exp	9030	17,797,556	70,263	(270,480)	(24,580)	0	0	0	0	0	0
210	Customer Deposit Interest	9030 2	0	0	0	0	0	0	0	0	0	0
211	Uncollectible accounts	9040	724,395	0	0	0	0	0	0	0	0	0
212	Miscellaneous customer accounts exp	9050	101,498	0	0	0	0	0	0	0	0	0
213	Factoring Expense	426 5	9,711,825	0	0	0	0	(1,296,219)	0	0	0	0
214	Total customer accounts expenses		31,731,605	133,754	(512,868)	(44,648)	0	(1,296,219)	0	0	0	0
215	CUSTOMER SERVICE AND INFORMATIONAL EXPENSES											
216	Operation											
217	Supervision	9070	7,429,119	28,115	(111,035)	(7,715)	0	0	(6,638,731)	0	0	0
218	Customer assistance expenses	9080	15,029,496	54,346	(234,025)	(19,552)	0	0	(12,548,214)	0	0	0
219	DSM amortization expense	9080	0	0	0	0	0	0	0	0	0	0
220	Informational and instructional expenses	9090	0	0	0	0	0	0	0	0	0	0
221	Misc cust service and informational exp	9100	27,409	0	0	0	0	0	0	0	0	0
222	Total cust serv and informat exp		22,486,023	82,461	(345,060)	(27,267)	0	0	(19,186,946)	0	0	0
223	SALES EXPENSES											

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
			A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising, Due Contributions Memberships	A-3 15 USWAG Membrshp Dues	A-3 16 Catastrophe Reserve/ Storr O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
184	Station expenses	5820	0	0	0	0	0	0	0	0	(5,439)	0	0
185	Overhead line expenses	5830	0	0	0	0	0	0	(84)	0	(24)	0	0
186	Underground line expenses	5840	0	0	0	0	0	0	0	0	(1,227)	0	0
187	Street light and signal system exp	5850	0	0	0	0	0	0	0	0	0	0	0
188	Meter expenses	5860	0	0	0	0	0	0	0	0	(8,438)	0	0
189	Customer installation expenses	5870	0	0	0	0	0	0	0	0	0	0	0
190	Miscellaneous distribution expenses	5880	0	0	0	0	0	0	0	0	367,367	0	0
191	Rents	5890	0	0	0	0	0	0	0	0	0	0	0
192	Total operation		0	0	0	0	0	0	(84)	0	253,921	0	0
193	Maintenance												
194	Maintenance supervision and engineer	5900	0	0	0	0	0	0	0	0	(814)	0	0
195	Maintenance of structures	5910	0	0	0	0	0	0	0	0	(35)	0	0
196	Maintenance of station equipment	5920	0	0	0	0	0	0	0	0	(16,871)	0	0
197	Maintenance of overhead lines	5930	0	0	0	0	0	0	(6,388,109)	0	(3,261)	0	5,000,000
198	Maintenance of underground lines	5940	0	0	0	0	0	0	0	0	2	0	0
199	Maintenance of line transformers	5950	0	0	0	0	0	0	0	0	0	0	0
200	Maint of str lighting and signal sys	5960	0	0	0	0	0	0	0	0	0	0	0
201	Maintenance of meters	5970	0	0	0	0	0	0	0	0	(7)	0	0
202	Maintenance of misc distrib plant	5980	0	0	0	0	0	0	0	0	(33)	0	0
203	Total Maintenance		0	0	0	0	0	0	(6,388,109)	0	(21,018)	0	5,000,000
204	Total Distribution Expenses		0	0	0	0	0	0	(6,388,193)	0	232,902	0	5,000,000
205	CUSTOMER ACCOUNTS EXPENSES												
206	Operation												
207	Supervision	9010	0	0	0	0	0	0	0	0	(1,481)	0	0
208	Meter reading expenses	9020	0	0	0	0	0	0	0	0	(2,340)	0	0
209	Customer records and collection exp	9030	0	0	0	0	0	0	0	0	(247,874)	0	0
210	Customer Deposit Interest	9030 2	0	0	0	0	0	0	0	0	0	0	0
211	Uncollectible accounts	9040	0	0	0	0	0	0	0	0	0	0	0
212	Miscellaneous customer accounts exp	9050	0	0	0	0	0	0	0	0	(323)	0	0
213	Factoring Expense	426 5	0	0	0	0	0	0	0	0	0	0	0
214	Total customer accounts expenses		0	0	0	0	0	0	0	0	(252,018)	0	0
215	CUSTOMER SERVICE AND INFORMATIONAL EXPENSES												
216	Operation												
217	Supervision	9070	0	0	0	0	0	0	0	0	(6,999)	0	0
218	Customer assistance expenses	9080	0	0	0	0	0	0	0	0	(1,779)	0	0
219	DSM amortization expense	9080	0	0	0	0	0	0	0	0	0	0	0
220	Informational and instructional expenses	9090	0	0	0	0	0	0	0	0	0	0	0
221	Misc cust service and informational exp	9100	0	0	0	0	0	0	0	0	(1,364)	0	0
222	Total cust serv and informat exp		0	0	0	0	0	0	0	0	(10,142)	0	0
223	SALES EXPENSES												



SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)		(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No	Description	Account No										
184	Station expenses	5820	0	0	0	0	0	0	0	0	(21,825)	
185	Overhead line expenses	5830	0	0	0	0	(22)	0	0	0	(223,813)	
186	Underground line expenses	5840	0	0	0	0	0	0	0	0	(46,597)	
187	Street light and signal system exp	5850	0	0	0	0	0	0	0	0	(3,872)	
188	Meter expenses	5860	0	0	0	0	(353)	0	0	0	(302,033)	
189	Customer installation expenses	5870	0	0	0	0	(50)	0	0	0	(20,716)	
190	Miscellaneous distribution expenses	5880	0	0	0	0	(36,386)	0	0	0	2,087,691	
191	Rents	5890	0	0	0	0	0	0	0	0	0	
192	Total operation		0	0	0	0	(38,432)	0	0	0	1,300,164	0
193	Maintenance											
194	Maintenance supervision and engineer	5900	0	0	0	0	0	0	0	0	(13,911)	
195	Maintenance of structures	5910	0	0	0	0	0	0	0	0	(209)	
196	Maintenance of station equipment	5920	0	0	0	0	(374)	0	0	0	(46,290)	
197	Maintenance of overhead lines	5930	0	0	0	0	(436)	0	0	0	(1,092,825)	
198	Maintenance of underground lines	5940	0	0	0	0	0	0	0	0	(15,706)	
199	Maintenance of line transformers	5950	0	0	0	0	0	0	0	0	(8,001)	
200	Maint of str lighting and signal sys	5960	0	0	0	0	0	0	0	0	(18,992)	
201	Maintenance of meters	5970	0	0	0	0	0	0	0	0	(28,139)	
202	Maintenance of misc distrib plant	5980	0	0	0	0	0	0	0	0	(15,560)	
203	Total Maintenance		0	0	0	0	(810)	0	0	0	(1,239,634)	0
204	Total Distribution Expenses		0	0	0	0	(39,241)	0	0	0	60,530	0
205	CUSTOMER ACCOUNTS EXPENSES											
206	Operation											
207	Supervision	9010	0	0	0	0	(2,719)	0	0	0	(60,532)	
208	Meter reading expenses	9020	0	0	0	0	(233)	0	0	0	(145,207)	
209	Customer records and collection exp	9030	0	0	0	0	(350)	0	0	0	(473,021)	
210	Customer Deposit Interest	9030 2	0	1,438,097	0	0	0	0	0	0	1,438,097	
211	Uncollectible accounts	9040	0	0	0	0	0	0	0	0	0	
212	Miscellaneous customer accounts exp	9050	0	0	0	0	0	0	0	0	(323)	
213	Factoring Expense	426 5	0	0	0	0	0	0	0	0	(1,296,219)	0
214	Total customer accounts expenses		0	1,438,097	0	0	(3,302)	0	0	0	(537,204)	0
215	CUSTOMER SERVICE AND INFORMATIONAL EXPENSES											
216	Operation											
217	Supervision	9070	0	0	0	0	(2,691)	0	0	0	(6,739,056)	
218	Customer assistance expenses	9080	0	0	0	0	(579)	0	0	0	(12,749,803)	
219	DSM amortization expense	9080	0	0	0	0	0	0	0	0	0	
220	Informational and instructional expenses	9090	0	0	0	0	0	0	0	0	0	
221	Misc cust service and informational exp	9100	0	0	0	0	0	0	0	0	(1,364)	
222	Total cust serv and informat exp		0	0	0	0	(3,270)	0	0	0	(19,490,224)	0
223	SALES EXPENSES											

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(40)

Line No	(1) Description	(2) Account No	Total Company Proforma Balance
184	Station expenses	5820	727,287
185	Overhead line expenses	5830	1,528,571
186	Underground line expenses	5840	1,336,900
187	Street light and signal system exp	5850	158,158
188	Meter expenses	5860	3,517,283
189	Customer installation expenses	5870	390,026
190	Miscellaneous distribution expenses	5880	22,105,298
191	Rents	5890	889,843
192	Total operation		33,180,334
193	Maintenance		
194	Maintenance supervision and engineer	5900	152,972
195	Maintenance of structures	5910	39,282
196	Maintenance of station equipment	5920	1,994,384
197	Maintenance of overhead lines	5930	56,457,194
198	Maintenance of underground lines	5940	644,709
199	Maintenance of line transformers	5950	132,635
200	Maint of str lighting and signal sys	5960	284,603
201	Maintenance of meters	5970	414,790
202	Maintenance of misc distrib plant	5980	355,833
203	Total Maintenance		60,476,402
204	Total Distribution Expenses		93,656,736
205	CUSTOMER ACCOUNTS EXPENSES		
206	Operation		
207	Supervision	9010	720,959
208	Meter reading expenses	9020	2,469,633
209	Customer records and collection exp	9030	17,324,536
210	Customer Deposit Interest	9030 2	1,438,097
211	Uncollectible accounts	9040	724,395
212	Miscellaneous customer accounts exp	9050	101,175
213	Factoring Expense	426 5	8,415,606
214	Total customer accounts expenses		31,194,401
215	CUSTOMER SERVICE AND INFORMATIONAL EXPENSES		
216	Operation		
217	Supervision	9070	690,062
218	Customer assistance expenses	9080	2,279,692
219	DSM amortization expense	9080	0
220	Informational and instructional expenses	9090	0
221	Misc cust service and informational exp	9100	26,044
222	Total cust serv and informat exp		2,995,799
223	SALES EXPENSES		

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			A-3 1	A-3 2	A-3 3	A-3 4	A-3 5	A-3 6	A-3 7	A-3 8	A-3 9
Line No Description	Account No	Total Company March 31, 2020	SWEP Co Payroll	SWEP Co Annual Incentive	SWEP Co Long Term Incentive Plan	Depreciation Expense	Factoring Expense	Misc Rider	Retired Unit O&M Costs	Amort Adjustment	Credit Line Fee Expense
224 Operation											
225 Supervision	9110	2 198	0	0	0	0	0	0	0	0	0
226 Demonstrating and selling expenses	9120	265,976	0	0	0	0	0	0	0	0	0
227 Total sales expenses		268,174	0	0	0	0	0	0	0	0	0
228 ADMINISTRATIVE AND GENERAL EXPENSES											
229 Operation											
230 Administrative and general salaries	9200	32,325,718	124,623	(517,694)	(44 675)	0	0	0	(1 483)	0	0
231 Office supplies and expenses	9210	2,947,644	0	0	0	0	0	0	(386)	0	0
232 Admin expenses transferred - Cr	9220	(4,430,969)	(59,265)	9	0	0	0	0	0	0	0
233 Outside services employed	9230	9,712,500	0	0	0	0	0	0	0	0	0
234 Property insurance	9240	2,428,223	0	0	0	0	0	0	0	0	0
235 Injuries and damages	9250	3,657,677	5,857	(26,823)	(264)	0	0	0	0	0	0
236 Employee pensions and benefits	9260	13,373,091	0	0	0	0	0	0	0	0	0
237 Regulatory commission expenses	9280	2,624,761	57	(243)	(13)	0	0	0	0	0	0
238 General advertising expenses	9301	318,019	0	0	0	0	0	0	0	0	0
239 Miscellaneous general expenses	9302	1,724,290	3,173	(13,417)	(623)	0	0	0	(4,895)	0	696,993
240 Rents	9310	1,008,537	0	0	0	0	0	0	0	0	0
241 Total A&G operation		65,689,492	74,445	(558,168)	(45,575)	0	0	0	(6,764)	0	696,993
242 Maintenance											
243 Maintenance of general plant	9350	6,436,014	45,819	(102,061)	(8)	0	0	0	0	0	0
244 Total A&G maintenance		6,436,014	45,819	(102,061)	(8)	0	0	0	0	0	0
245 Total Administrative and General Exp		72,125,506	120,264	(660,229)	(45,583)	0	0	0	(6,764)	0	696,993
246 Total Fuel and Purchased Power Expense		617,760,649	1,460	(5,903)	(256)	0	0	0	0	0	0
248 Total Electric Non-Fuel Operations Expense		328,336,789	1,356,679	(900,137)	(325,472)	0	(1,296,219)	(19,186,946)	(324,826)	0	696,993
249 Total Electric Maintenance Expense		150 540,605	785,573	(2 960,180)	(179,145)	0	0	1,407,494	(291,490)	0	0
250 Total Electric Oper and Maint Exp		1,096,638,043	2,143,713	(3,866,220)	(504,872)	0	(1,296,219)	(17,779,451)	(616,316)	0	696,993
251 Depreciation Expense											
252 Production	4030 1	118,198,563	0	0	0	8,354,497	0	0	0	0	0
253 Transmission	4030 2	49 421,354	0	0	0	(1,487,507)	0	0	0	0	0
254 Distribution	4030 3	61,585,051	0	0	0	2,596,244	0	0	0	0	0
255 General	4030 4	7,111,545	0	0	0	(340,761)	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
256 Total Depreciation Expense		236 316,513	0	0	0	9,122,473	0	0	0	0	0
257 Amortization Expense	4040	17,421,930	0	0	0	5,292 169	0	0	0	0	0
258 Amortization of Elec Plant Acquisition Adj	4060	0	0	0	0	0	0	0	0	0	0
259 Amortization expense (Regulatory Debits)	4073	860,876	0	0	0	0	0	0	0	2 288,902	0
260 Amortization Expense (Regulatory Credits)	4074	(288,585)	0	0	0	0	0	0	0	216 585	0
261 Total Amortization Expense		17,994,221	0	0	0	5,292,169	0	0	0	2,505 487	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

Line No	(1) Description	(2) Account No	(13)	(14)	(15)	(16)	(17)	(10)	(19)	(21)	(22)	(23)	(24)
			A-3 10 Pension Expense	A-3 11 SFAS 106 Expense	A-3 12 SFAS 112 Expense	A-3 13 Other Taxes	A-3 14 Advertising Due Contributions Memberships	A-3 15 USWAG Membrshp Dues	A-3 16 Catastrophe Reserve/ Storr O&M	A-3 17 IPP System Upgrade Interest	A-3 18 AEPSC Adjustment	A-3 19 Regulatory Expense	A-3 20 Vegetation Management
224	Operation												
225	Supervision	9110	0	0	0	0	0	0	0	0	0	0	0
226	Demonstrating and selling expenses	9120	0	0	0	0	0	0	0	0	(6,700)	0	0
227	Total sales expenses		0	0	0	0	0	0	0	0	(6,700)	0	0
228	ADMINISTRATIVE AND GENERAL EXPENSES												
229	Operation												
230	Administrative and general salaries	9200	0	0	0	0	0	0	0	0	(2,925,574)	0	0
231	Office supplies and expenses	9210	0	0	0	0	0	0	0	0	(1,202,555)	0	0
232	Admin expenses transferred - Cr	9220	0	0	0	0	0	0	0	0	(0)	0	0
233	Outside services employed	9230	0	0	0	0	0	0	0	0	7,254	0	0
234	Property insurance	9240	0	0	0	0	0	0	1,689,700	0	0	0	0
235	Injuries and damages	9250	0	0	0	0	0	0	0	0	(8,298)	0	0
236	Employee pensions and benefits	9260	2,649,813	546,861	(275,815)	0	0	0	0	0	(5,872)	0	0
237	Regulatory commission expenses	9280	0	0	0	0	0	0	0	0	(1,736,726)	(757,823)	0
238	General advertising expenses	9301	0	0	0	0	0	0	0	0	(636)	0	0
239	Miscellaneous general expenses	9302	0	0	0	0	969,554	0	0	0	81,592	0	0
240	Rents	9310	0	0	0	0	0	0	0	0	(585)	0	0
241	Total A&G operation		2,649,813	546,861	(275,815)	0	969,554	0	1,689,700	0	(5,791,400)	(757,823)	0
242	Maintenance												
243	Maintenance of general plant	9350	0	0	0	0	0	0	0	0	(11,744)	0	0
244	Total A&G maintenance		0	0	0	0	0	0	0	0	(11,744)	0	0
245	Total Administrative and General Exp		2,649,813	546,861	(275,815)	0	969,554	0	1,689,700	0	(5,803,144)	(757,823)	0
246	Total Fuel and Purchased Power Expense		0	0	0	0	0	0	0	0	(42,056)	0	0
248	Total Electric Non-Fuel Operations Expense		2,649,813	546,861	(275,815)	0	969,434	(489)	1,689,616	373,615	(7,119,864)	(757,823)	0
249	Total Electric Maintenance Expense		0	0	0	0	(25)	0	(6,388,109)	0	(387,317)	0	5,000,000
250	Total Electric Oper and Maint Exp		2,649,813	546,861	(275,815)	0	969,409	(489)	(4,698,493)	373,615	(7,549,238)	(757,823)	5,000,000
251	Depreciation Expense												
252	Production	4030 1	0	0	0	0	0	0	0	0	0	0	0
253	Transmission	4030 2	0	0	0	0	0	0	0	0	0	0	0
254	Distribution	4030 3	0	0	0	0	0	0	0	0	0	0	0
255	General	4030 4	0	0	0	0	0	0	0	0	0	0	0
256	Total Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0
257	Amortization Expense	4040	0	0	0	0	0	0	0	0	0	0	0
258	Amortization of Elec Plant Acquisition Adj	4060	0	0	0	0	0	0	0	0	0	0	0
259	Amortization expense (Regulatory Debits)	4073	0	0	0	0	0	0	0	0	0	0	0
260	Amortization Expense (Regulatory Credits)	4074	0	0	0	0	0	0	0	0	0	0	0
261	Total Amortization Expense		0	0	0	0	0	0	0	0	0	0	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31 2020

(1)	(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No	Description	Account No									
224	Operation										
225	Supervision	9110	0	0	0	0	0	0	0	0	
226	Demonstrating and selling expenses	9120	0	0	0	(86)	0	0	0	(6,786)	
227	Total sales expenses		0	0	0	(86)	0	0	0	(6,786)	0
228	ADMINISTRATIVE AND GENERAL EXPENSES										
229	Operation										
230	Administrative and general salaries	9200	0	0	0	0	0	0	0	(3,364,803)	
231	Office supplies and expenses	9210	0	0	0	(9,720)	0	0	0	(1,212,661)	
232	Admin expenses transferred - Cr	9220	0	0	0	0	0	0	0	(59,256)	
233	Outside services employed	9230	0	0	0	0	0	0	0	7,254	
234	Property insurance	9240	0	0	0	0	0	0	0	1,689,700	
235	Injuries and damages	9250	0	0	0	0	0	0	0	(29,527)	
236	Employee pensions and benefits	9260	0	0	0	(1,230)	0	0	0	2,913,757	
237	Regulatory commission expenses	9280	0	0	0	0	0	0	0	(2,494,747)	
238	General advertising expenses	9301	0	0	0	(493)	0	0	0	(1,129)	
239	Miscellaneous general expenses	9302	0	0	0	0	0	0	0	1,732,377	
240	Rents	9310	0	0	0	0	0	0	0	(585)	
241	Total A&G operation		0	0	0	(11,443)	0	0	0	(819,621)	0
242	Maintenance										
243	Maintenance of general plant	9350	0	0	0	(1,426)	0	0	0	(69,422)	
244	Total A&G maintenance		0	0	0	(1,426)	0	0	0	(69,422)	0
245	Total Administrative and General Exp		0	0	0	(12,869)	0	0	0	(889,043)	0
246	Total Fuel and Purchased Power Expense		0	0	0	0	0	(593,992,679)	0	(594,039,434)	0
248	Total Electric Non-Fuel Operations Expense		0	1,438,097	0	0	0	(6,101,067)	79,285,201	52,610,882	0
249	Total Electric Maintenance Expense		0	0	0	0	0	0	0	(3,036,273)	0
250	Total Electric Oper and Maint Exp		0	1,438,097	0	0	0	(600,093,747)	79,285,201	(544,464,825)	0
251	Depreciation Expense										
252	Production	4030 1	0	0	0	0	0	0	0	8,354,497	0
253	Transmission	4030 2	0	0	0	0	0	0	0	(1,487,507)	0
254	Distribution	4030 3	0	0	0	0	0	0	0	2,596,244	
255	General	4030 4	0	0	0	0	0	0	0	(340,761)	
			0	0	0	0	0	0	0	0	
256	Total Depreciation Expense		0	0	0	0	0	0	0	9,122,473	0
257	Amortization Expense	4040	0	0	0	0	0	0	0	5,292,169	
258	Amortization of Elec Plant Acquisition Adj	4060	0	0	0	0	0	0	0	0	
259	Amortization expense (Regulatory Debits)	4073	0	0	0	0	0	0	0	2,288,902	
260	Amortization Expense (Regulatory Credits)	4074	0	0	0	0	0	0	0	216,585	
261	Total Amortization Expense		0	0	0	0	0	0	0	7,797,656	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(40)

Line	(1)	(2)	Total Company
No	Description	Account No	Proforma Balance
224	Operation		
225	Supervision	9110	2,198
226	Demonstrating and selling expenses	9120	259,190
227	Total sales expenses		261,389
228	ADMINISTRATIVE AND GENERAL EXPENSES		
229	Operation		
230	Administrative and general salaries	9200	28,960,915
231	Office supplies and expenses	9210	1,734,983
232	Admin expenses transferred - Cr	9220	(4,490,225)
233	Outside services employed	9230	9,719,753
234	Property insurance	9240	4,117,923
235	Injuries and damages	9250	3,628,150
236	Employee pensions and benefits	9260	16,286,848
237	Regulatory commission expenses	9280	130,015
238	General advertising expenses	9301	316,890
239	Miscellaneous general expenses	9302	3,456,667
240	Rents	9310	1,007,952
241	Total A&G operation		64,869,871
242	Maintenance		
243	Maintenance of general plant	9350	6,366,592
244	Total A&G maintenance		6,366,592
245	Total Administrative and General Exp		71,236,464
246	Total Fuel and Purchased Power Expense		23,721,216
248	Total Electric Non-Fuel Operations Expense		380,947,670
249	Total Electric Maintenance Expense		147,504,332
250	Total Electric Oper and Maint Exp		552,173,218
251	Depreciation Expense		
252	Production	4030 1	126,553,060
253	Transmission	4030 2	47,933,847
254	Distribution	4030 3	64,181,295
255	General	4030 4	6,770,784
			0
256	Total Depreciation Expense		245,438,986
257	Amortization Expense	4040	22,714,099
258	Amortization of Elec Plant Acquisition Adj	4060	0
259	Amortization expense (Regulatory Debits)	4073	3,149,778
260	Amortization Expense (Regulatory Credits)	4074	(72,000)
261	Total Amortization Expense		25,791,877

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)	(2)	(3)	(4) A-3 1	(5) A-3 2 SWEPCo Annual Incentive	(6) A-3 3 SWEPCo Long Term Incentive Plan	(7) A-3 4 Depreciation Expense	(8) A-3 5 Factoring Expense	(9) A-3 6 Misc Rider	(10) A-3 7 Retired Unit O&M Costs	(11) A-3 8 Amort Adjustment	(12) A-3 9 Credit Line Fee Expense
Line No Description	Account No	Total Company March 31, 2020	SWEPCo Payroll								
262 Operation Expense	4010	2,442	0	0	0	0	0	0	0	0	0
263 Gain On Sale of SO2 Allowances	4118 4119	4	0	0	0	0	0	0	0	0	0
264 Losses from Disp Of Utility Plant	411	653,208	0	0	0	0	0	0	0	0	0
265 Accretion Expense	4111	3,484,561		0	0	0	0	0	0	0	0
266 Other Taxes	4080/4081	100,064,580	0	0	0	0	0	0	0	0	0
267 Texas Gross Margin Tax	4091 1	462,753	0	0	0	0	0	0	0	0	0
268 Current Arkansas Income Taxes	4091 1		0	0	0	0	0	0	0	0	0
269 Current Louisiana Income Taxes	4091 2		0	0	0	0	0	0	0	0	0
270 Current State Income Taxes -Other	4091 3	1,078,801	0	0	0	0	0	0	0	0	0
271 Deferred State Income Taxes	4101 4111	(2,443,565)	0	0	0	0	0	0	0	0	0
272 Total		(902,010)	0	0	0	0	0	0	0	0	0
273 Current Federal Income Taxes	4091	7,868,487	0	0	0	0	0	0	0	0	0
274 Deferred Federal Income Taxes	4101 4111	(13,505,811)	0	0	0	0	0	0	0	0	0
275 Deferred Federal ITC Amortization	4114	(1,624,687)	0	0	0	0	0	0	0	0	0
276 Net Operating Income		263,445,627	(2,143,713)	3,866,220	504,872	(14,414,642)	1,296,219	17,779,451	616,316	(2,505,487)	(696,993)

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

For the Test Year Ended March 31, 2020													
	(1)	(2)	(13) A-3 10	(14) A-3 11	(15) A-3 12	(16) A-3 13	(17) A-3 14	(10) A-3 15	(19) A-3 16	(21) A-3 17	(22) A-3 18	(23) A-3 19	(24) A-3 20
Line			Pension	SFAS 106	SFAS 112	Other	Advertising, Due	USWAG	Catastrophe	IPP System	AEPS	Regulatory	Vegetation
No	Description	Account No	Expense	Expense	Expense	Taxes	Contributions	Membrshp	Reserve/ Storr	Upgrade	Adjustment	Expense	Management
							Memberships	Dues	O&M	Interest			
262	Operation Expense	4010	0	0	0	0	0	0	0	0	0	0	0
263	Gain On Sale of SO2 Allowances	4118 4119	0	0	0	0	0	0	0	0	0	0	0
264	Losses from Disp Of Utility Plant	411	0	0	0	0	0	0	0	0	0	0	0
265	Accretion Expense	4111	0	0	0	0	0	0	0	0	0	0	0
266	Other Taxes	4080/4081	0	0	0	(4,666,863)	0	0	0	0	0	0	0
267	Texas Gross Margin Tax	4091 1	0	0	0	0	0	0	0	0	0	0	0
268	Current Arkansas Income Taxes	4091 1	0	0	0	0	0	0	0	0	0	0	0
269	Current Louisiana Income Taxes	4091 2	0	0	0	0	0	0	0	0	0	0	0
270	Current State Income Taxes -Other	4091 3	0	0	0	0	0	0	0	0	0	0	0
271	Deferred State Income Taxes	4101 4111	0	0	0	0	0	0	0	0	0	0	0
272	Total		0	0	0	0	0	0	0	0	0	0	0
273	Current Federal Income Taxes	4091	0	0	0	0	0	0	0	0	0	0	0
274	Deferred Federal Income Taxes	4101 4111	0	0	0	0	0	0	0	0	0	0	0
275	Deferred Federal ITC Amortization	4114	0	0	0	0	0	0	0	0	0	0	0
276	Net Operating Income		(2,649,813)	(546,861)	275,815	4,666,863	(969,409)	489	4,698,493	(373,615)	7,549,238	757,823	(5,000,000)



SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

(1)	(2)	(33) A-3 21 State Income Taxes	(26) A-3 22 Interest on Customer Deposits	(27) A-3 23 Federal Income Tax Adjustment	(28) A-3 24 Provision For Rate Refund	(34) A-3 25 Miscellaneous Expenses	(35) A-3 26 Revenue Adjustments	(36) A-3 27 Fuel Expense	(32) A-3 28 Miscellaneous Revenues	(38) Total Adjustments	(39) B-1 4 Post Test Year Adj
Line No Description	Account No										
262 Operation Expense	4010	0	0	0	0	0	0	0	0	0	
263 Gain On Sale of SO2 Allowances	4118 4119	0	0	0	0	0	0	0	0	0	
264 Losses from Disp Of Utility Plant	411	0	0	0	0	0	0	0	0	0	
265 Accretion Expense	4111	0	0	0	0	0	0	0	0	0	
266 Other Taxes	4080/4081	0	0	0	0	0	0	0	0	(4,666,863)	0
267 Texas Gross Margin Tax	4091 1	(958,573)	0	0	0	0	0	0	0	(958,573)	
268 Current Arkansas Income Taxes	4091 1	0	0	0	0	0	0	0	0	0	
269 Current Louisiana Income Taxes	4091 2	0	0	0	0	0	0	0	0	0	
270 Current State Income Taxes -Other	4091 3	(1,078,801)	0	0	0	0	0	0	0	(1,078,801)	
271 Deferred State Income Taxes	4101 4111	2,443,565	0	0	0	0	0	0	0	2,443,565	
272 Total		406,190	0	0	0	0	0	0	0	406,190	0
273 Current Federal Income Taxes	4091	0	0	11,332,848	0	0	0	0	0	11,332,848	0
274 Deferred Federal Income Taxes	4101 4111	0	0	14,621,825	0	0	0	0	0	14,621,825	0
275 Deferred Federal ITC Amortization	4114	0	0	166,607	0	0	0	0	0	166,607	
276 Net Operating Income		(406,190)	#####	(26,121,280)	52,703,884	129,843	(681,355,604)	600,093,747	(5,698,248)	(49,380,678)	0

SOUTHWESTERN ELECTRIC POWER COMPANY  
Detailed Statement of Income  
For the Test Year Ended March 31, 2020

		(40)
(1)	(2)	Total
Line		Company
No Description	Account No	Proforma Balance
262 Operation Expense	4010	2,442
263 Gain On Sale of SO2 Allowances	4118 4119	4
264 Losses from Disp Of Utility Plant	411	653,208
265 Accretion Expense	4111	3,484,561
266 Other Taxes	4080/4081	95,397,717
267 Texas Gross Margin Tax	4091 1	(495,820)
268 Current Arkansas Income Taxes	4091 1	0
269 Current Louisiana Income Taxes	4091 2	0
270 Current State Income Taxes -Other	4091 3	0
271 Deferred State Income Taxes	4101 4111	0
272 Total		(495,820)
273 Current Federal Income Taxes	4091	19,201,335
274 Deferred Federal Income Taxes	4101 4111	1,116,014
275 Deferred Federal ITC Amortization	4114	(1,458,080)
276 Net Operating Income		<u>214,064,948</u>

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Account No	Book	Affiliate	Payroll	Schedule A-5	Test Year Actual	Proforma Adjustments WP A 1
Fuel Reconcilable and Non-Reconcilable	5010	399,631,092 89	0 00	0 00		399,631,092 89	(382,490,947 10)
Fuel	5470	10,520,436 69	117 61			10,520,554 30	(10,520,436 69)
Purchased power and power exchange	5550	207,609,119 80	3 33			207,609,123 13	(200,987,453 63)
TY O&M Not Adjusted					22,836,617 28	22,836,617 28	
Production Oper Expense - Steam Generation (Non F	5000-5090	68,137,464 32	(15,877,984 64)	(22,479,799 68)	0 01	29,779,680 01	(8,449,846 34)
Maintenance - Steam	5100-5170	63,435,413 82	(3,244,301 61)	(16,550,642 29)	0 00	43,640,469 92	(1,749,690 82)
Prod Operation supervision and engineering (Non-Fue	5420-5500 / 8140	268,744 46	(28,773 87)	(206,327 41)	139 89	33,783 07	(17,881 95)
Prod Maintenance	5510-5540	910,654 92	(12,782 83)	(314,964 90)	(81,758 69)	501,148 50	(26,201 90)
Other power supply expenses - non-purc power	5560-5570	3,317,181 03	(5,075,914 74)	0 00	11,692 06	(1,747,041 65)	1,480,595 81
Trans Operation (with 5757)	5600-5670	104,557,934 04	(11,566,237 35)	(2,013,593 90)	(14,815,852 00)	76,162,250 79	79,755,061 39
Trans Maintenance	5680-5730	18,042,487 11	(899,337 65)	(1,386,685 30)	(502,373 12)	15,254,091 04	(122,624 82)
Distribution Operation	5800-5890	31,880,170 23	(3,105,537 93)	(12,352,204 17)	(862,796 56)	15,559,631 57	690,372 08
Distribution Maintenance	5900-5980	61,716,035 10	(352,279 73)	(7,424,393 92)		53,939,361 45	(1,432,514 88)
Customer Accounts	9010-9050	22,019,780 89	(13,224,063 89)	(4,642,567 50)	(796,714 97)	3,356,434 53	877,279 03
Customer Service and Information	9070-9100	22,486,022 63	(373,943 49)	(2,862,207 07)	0 00	19,249,872 06	(19,562,542 74)
Sales	9110-9160	268,174 24	(150,651 24)	0 00		117,523 00	(85 79)
Administrative operation (excluding 9260)	9200-9310	52,316,401 36	(38,133,209 87)	(2,583,973 39)	(5,788,953 90)	5,810,264 19	1,977,704 78
Administrative maintenance	9350	6,436,014 08	(3,090,965 03)	(1,590,352 34)		1,754,696 31	(103,495 98)
Gain from Disposition of Allowances	4118	0 00	0 00			0 00	0 00
Affiliate			95,184,384 24			95,184,384 24	(7,549,238 08)
Payroll				74,407,711 87		74,407,711 87	2,143,712 57
Employee Benefits	9260	13,373,090 99	(48,521 31)	0 00		13,324,569 68	2,919,629 15
Factoring	903 2	9,711,824 54	0 00			9,711,824 54	(1,296,218 88)
		1,096,638,043 13	0 00	0 00	0 00	1,096,638,043 13	(544,464,824 77)
Operation supervision and engineering	5000	21,645,237 03	15,196,385 20	5,273,165 54		1,175,686 28	(436,340 52)
Fuel Reconcilable	5010	399,631,092 89	934,724 72	50,682 31		398,645,685 86	(399,637,251 14)
Fuel Non Reconcilable	5010	0 00	0 00	0 00		0 00	17,146,304 04
Steam Expenses	5020	19,098,323 05	194,210 13	6,857,893 21		12,046,219 71	(8,398,542 47)
Electric expenses	5050	10,576,275 12	4,953 77	7,117,975 61		3,453,345 73	(737,761 66)
Miscellaneous steam power expenses	5060	16,480,427 82	(455,628 63)	3,180,083 01		13,755,973 44	1,164,524 95
Rents	5070	3,339 44	3339 45	0 00	(0 01)	0 00	0 00
Operations supplies and expenses	5080	0 00	0 00	0 00		0 00	0 00
Allowance Expense	5090	333,861 87	0 00	0 00		333,861 87	(41,726 64)
Maintenance supervision and engineering	5100	5,221,988 14	401,519 57	3,928,391 88		892,076 69	(390,450 30)
Maintenance of structures	5110	5,930,495 88	612,336 20	831,627 27		4,488,532 41	(106,387 55)
Maintenance of boiler plant	5120	36,899,428 88	1,611,489 40	8,195,282 43		27,092,657 05	(880,212 40)
Maintenance of electric plant	5130	8,232,372 74	455,950 66	1,748,176 30		6,028,245 77	(210,018 91)
Maintenance of misc steam plant	5140	7,151,128 19	163,005 78	1,847,164 41		5,140,958 00	(162,621 66)
Operation supervision and engineering	5460	4,833 14	(556 20)	0 00		5,389 34	(518 00)
Fuel	5470	10,520,436 69	(117 61)	0 00		10,520,554 30	(10,520,436 69)

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(9)	(10)
Description	Account No	Revenue Deficiency Total Company Adjustments Sch A Proforma	
Fuel Reconcilable and Non-Reconcilable	5010	0 00	17,140,145 79
Fuel	5470	0 00	117 61
Purchased power and power exchange	5550	0 00	6,621,669 51
TY O&M Not Adjusted			22,836,617 28
Production Oper Expense - Steam Generation (Non F	5000-5090	0 00	21,329,833 67
Maintenance - Steam	5100-5170	0 00	41,890,779 10
Prod Operation supervision and engineering (Non-Fue	5420-5500 / 8140	0 00	15,901 12
Prod Maintenance	5510-5540	0 00	474,946 61
Other power supply expenses - non-purc power	5560-5570	0 00	(266,445 84)
Trans Operation (with 5757)	5600-5670	0 00	155,917,312 18
Trans Maintenance	5680-5730	0 00	15,131,466 22
Distribution Operation	5800-5890	0 00	16,250,003 65
Distribution Maintenance	5900-5980	0 00	52,506,846 57
Customer Accounts	9010-9050	0 00	4,233,713 56
Customer Service and Information	9070-9100	0 00	(312,670 68)
Sales	9110-9160	0 00	117,437 21
Administrative operation (excluding 9260)	9200-9310	0 00	7,787,968 98
Administrative maintenance	9350	0 00	1,651,200 73
Gain from Disposition of Allowances	4118	0 00	0 00
Affiliate			87,635,146 16
Payroll			76,551,424 44
Employee Benefits	9260	0 00	16,244,198 83
Factoring	903 2	1,190,698 99	9,606,304 64
		1,190,698 99	553,363,917 35
Operation supervision and engineering	5000		739,345 76
Fuel Reconcilable	5010		(991,565 28)
Fuel Non Reconcilable	5010		17,146,304 04
Steam Expenses	5020		3,647,677 25
Electric expenses	5050		2,715,584 08
Miscellaneous steam power expenses	5060		14,920,498 39
Rents	5070		0 00
Operations supplies and expenses	5080		0 00
Allowance Expense	5090		292,135 23
Maintenance supervision and engineering	5100		501,626 39
Maintenance of structures	5110		4,380,144 85
Maintenance of boiler plant	5120		26,212,444 66
Maintenance of electric plant	5130		5,818,226 86
Maintenance of misc steam plant	5140		4,978,336 33
Operation supervision and engineering	5460		4,871 34
Fuel	5470		117 61

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Account No	Book	Affiliate	Payroll	Schedule A-5	Test Year Actual	Proforma Adjustments WP A 1
Generation expenses	5480		257,827 43	23,159 02	206,327 41	28,341 00	(17,311 22)
Misc other power generation expenses	5490		6,031 16	6,171 05	0 00	0 00	0 00
Underground Storage Expenses	8140		52 73	0 00	0 00	52 73	(52 73)
Maint Supv & Engineering	5510		(34 50)	(34 50)	0 00	0 00	0 00
Maintenance of structures	5420/5440/5520		960 74	(157 41)	2,307 80	(1,189 65)	(306 28)
Maintenance of generating and elec plant	5530		827,969 99	12,974 74	312,657 10	502,338 15	(25,895 62)
Maint of Misc other power gen plant	5540		81,758 69	0 00	0 00	0 00	0 00
Purchased power and power exchange	5550	207,609,119 80	(3 33)	0 00	0 00	207,609,123 13	(200,987,453 63)
System control and load dispatching	5560	1,494,471 89	1,506,163 95	0 00	(11,692 06)	0 00	0 00
Other Production Expense	5570	1,822,709 14	3,569,750 79	0 00	0 00	(1,747,041 65)	1,480,595 81
Operation supervision and engineer	5600	10,546,442 66	7,758,807 16	1,453,938 91	0 00	1,333,696 59	(144,064 48)
Load dispatch - reliability	5611	0 00	0 00	0 00	0 00	0 00	0 00
Load dispatch - monitor and operate trans sys	5612	1,073,773 80	1,073,705 09	694 47	0 00	(625 76)	(68 26)
Load dispatch - trans service and scheduling	5613	417 41	(6,131 35)	0 00	6,548 76	0 00	0 00
Scheduling, system control and disatch services	5614	11,545,148 45	0 00	0 00	11,545,148 45	0 00	0 00
Reliability planning and standards development	5615	251,830 67	251,856 69	0 00	(26 02)	0 00	0 00
Reliability planning and standards devel services	5618	914,530 46	0 00	0 00	914,530 46	0 00	0 00
Station expenses	5620	1,235,007 24	33,463 06	242,444 96	0 00	959,099 22	(28,778 35)
Overhead line expenses	5630	430,198 64	45,098 38	20,394 23	0 00	364,706 03	(1,518 87)
Underground line expenses	5640	1,573 09	44,189 32	0 00	(42,616 23)	0 00	0 00
Transmission of electricity by others	5650	73,241,704 50	0 00	0 00	0 00	73,241,704 50	79,285,200 81
Miscellaneous transmission expenses	5660	2,924,907 92	2,365,116 38	296,121 33	0 00	263,670 21	644,290 54
Rents	5670	25,508 46	132 62	0 00	25,375 84	0 00	0 00
SPP Admin-MAM&SC	5757	2,366,890 74	0 00	0 00	2,366,890 74	0 00	0 00
Maintenance supervision and engineering	5680	15,701 82	9,842 03	3,234 79	0 00	2,625 00	(190 05)
Maintenance of structures	5690	36,340 67	374 20	4,743 03	0 00	31,223 44	(342 03)
Maintenance of computer hardware	5691	9,937 22	9,937 22	0 00	0 00	(0 00)	0 00
Maintenance of computer software	5692	642,127 58	280,999 47	0 00	361,128 11	0 00	0 00
Maintenance of computer equipment	5693	56,944 31	62 70	0 00	56,881 61	0 00	0 00
Maintenance of station equipment	5700	2,651,012 68	359,857 88	1,013,440 12	0 00	1,277,714 68	(88,173 98)
Maintenance of overhead lines	5710	14,533,315 04	225,519 76	365,267 36	0 00	13,942,527 92	(33,918 76)
Maintenance of Underground Lines	5720	11,239 14	(119 96)	0 00	11,359 10	0 00	0 00
Maintenance of Miscellaneous Transmission Plant	5730	85,868 65	12,864 35	0 00	73,004 30	0 00	0 00
Operation supervision and engineer	5800	2,632,858 74	1,441,671 69	655,175 46	0 00	536,011 59	(87,948 79)
Load dispatching	5810	62,781 39	14,612 51	0 00	0 00	48,168 88	(1,281 24)
Station expenses	5820	749,111 83	98,677 52	305,878 90	0 00	344,555 40	(25,198 44)
Overhead line expenses	5830	1,752,384 05	15,121 47	(1,386,700 78)	0 00	3,123,963 35	(183,837 34)
Underground line expenses	5840	1,383,496 94	107,856 67	618,150 40	0 00	657,489 88	(63,179 00)
Street light and signal system exp	5850	162,030 20	0 00	25,818 41	0 00	136,211 78	(4,615 68)
Meter expenses	5860	3,819,315 90	256,176 75	2,568,021 78	0 00	995,117 37	(367,579 88)
Customer installation expenses	5870	410,741 85	8,611 21	261,908 04	0 00	140,222 60	(28,262 01)
Miscellaneous distribution expenses	5880	20,017,606 33	1,135,763 67	9,303,951 96	0 00	9,577,890 70	1,452,274 47
Rents	5890	889,843 00	27,046 44	0 00	862,796 56	0 00	0 00
Maintenance supervision and engineer	5900	166,883 08	13,128 53	122,227 37	0 00	31,527 18	(16,618 57)
Maintenance of structures	5910	39,491 11	800 23	6,926 67	0 00	31,764 21	(373 87)
Maintenance of station equipment	5920	2,040,674 45	144,287 22	676,655 72	0 00	1,219,731 51	(48,913 89)

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(9)	(10)
Description	Account No	Revenue Deficiency Total Company Adjustments Sch A Proforma	
Generation expenses	5480		11,029 78
Misc other power generation expenses	5490		0 00
Underground Storage Expenses	8140		0 00
Maint Supv & Engineering	5510		0 00
Maintenance of structures	5420/5440/5520		(1,495 93)
Maintenance of generating and elec plant	5530		476,442 53
Maint of Misc other power gen plant	5540		0 00
Purchased power and power exchange	5550		6,621,669 51
System control and load dispatching	5560		0 00
Other Production Expense	5570		(266,445 84)
Operation supervision and engineer	5600		1,189,632 11
Load dispatch - reliability	5611		0 00
Load dispatch - monitor and operate trans sys	5612		(694 03)
Load dispatch - trans service and scheduling	5613		0 00
Scheduling, system control and disatch services	5614		0 00
Reliability planning and standards development	5615		0 00
Reliability planning and standards devel services	5618		0 00
Station expenses	5620		930,320 87
Overhead line expenses	5630		363,187 17
Underground line expenses	5640		0 00
Transmission of electcnrity by others	5650		152,526,905 31
Miscellaneous transmission expenses	5660		907,960 75
Rents	5670		0 00
SPP Admin-MAM&SC	5757		0 00
Maintenance supervision and engineering	5680		2,434 95
Maintenance of structures	5690		30,881 41
Maintenance of computer hardware	5691		(0 00)
Maintenance of computer software	5692		0 00
Maintenance of computer equipment	5693		0 00
Maintenance of station equipment	5700		1,189,540 70
Maintenance of overhead lines	5710		13,908,609 16
Maintenance of Underground Lines	5720		0 00
Maintenance of Miscellaneous Transmission Plant	5730		0 00
Operation supervision and engineer	5800		448,062 80
Load dispatching	5810		46,887 64
Station expenses	5820		319,356 96
Overhead line expenses	5830		2,940,126 01
Underground line expenses	5840		594,310 88
Street light and signal system exp	5850		131,596 11
Meter expenses	5860		627,537 49
Customer installation expenses	5870		111,960 59
Miscellaneous distribution expenses	5880		11,030,165 17
Rents	5890		0 00
Maintenance supervision and engineer	5900		14,908 61
Maintenance of structures	5910		31,390 34
Maintenance of station equipment	5920		1,170,817 61

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Account No	Book	Affiliate	Payroll	Schedule A-5	Test Year Actual	Proforma Adjustments WP A 1
Maintenance of overhead lines	5930	57,550,018 97	175,209 46	5,680,297 86		51,694,511 65	(1,253,214 95)
Maintenance of underground lines	5940	660,415 10	663 34	184,702 21		475,049 55	(21,029 70)
Maintenance of line transformers	5950	140,635 88	16,665 18	72,805 36		51,165 33	(10,098 71)
Maint of str lighting and signal sys	5960	303,595 21	209 67	133,719 10		169,666 44	(22,844 97)
Maintenance of meters	5970	442,928 42	1,283 29	343,708 51		97,936 63	(38,034 12)
Maintenance of misc distrib plant	5980	371,392 87	32 81	203,351 12		168,008 95	(21,386 10)
Supervision	9010	781,491 40	83,646 95	462,558 57		235,285 87	(72,377 45)
Meter reading expenses	9020	2,614,840 02	142,954 71	1,741,188 93		730,696 37	(193,030 57)
Customer records and collection exp	9030	17,797,556 34	12,968,284 06	2,438,820 00		2,390,452 28	(295,409 87)
Customer Deposit Interest	9030 2	0 00	0 00	0 00		0 00	1,438,096 93
Uncollectible accounts	9040	724,395 04	0 00	0 00	724,395 04	0 00	0 00
Miscellaneous customer accounts exp	9050	101,498 10	29,178 17	0 00	72,319 93	0 00	0 00
Factoring Expense	426 5	9,711,824 54	0 00	0 00		9,711,824 54	(1,296,218 88)
Supervision	9070	7,429,118 52	146,609 83	975,873 86		6,306,634 83	(6,760,172 17)
Customer assistance expenses	9080	15,029,495 51	199,925 06	1,886,333 21		12,943,237 23	(12,802,370 57)
DSM amortization expense	9080	0 00	0 00	0 00		0 00	0 00
Informational and instructional expenses	9090	0 00	0 00	0 00	0 00	0 00	0 00
Misc cust service and informational exp	9100	27,408 60	27,408 60	0 00	0 00	0 00	0 00
Supervision	9110	2,198 44	2,198 44	0 00	(0 00)	0 00	0 00
Demonstrating and selling expenses	9120	265,975 80	148,452 80	0 00		117,523 00	(85 79)
Administrative and general salaries	9200	32,325,718 28	28,577,478 37	4,325,627 85		(577,387 94)	(563,852 27)
Office supplies and expenses	9210	2,947,644 09	2,115,524 89	0 00		832,119 20	(10,105 69)
Admin expenses transferred - Cr	9220	(4,430,968 75)	0 01	(2,057,087 95)		(2,373,880 81)	9 22
Outside services employed	9230	9,712,499 73	4,849,159 44	0 00	4,863,340 29	0 00	0 00
Property insurance	9240	2,428,223 48	1,749 04	0 00		2,426,474 44	1,689,700 00
Injuries and damages	9250	3,657,677 43	27,152 95	203,305 74		3,427,218 75	(27,086 75)
Employee pensions and benefits	9260	13,373,090 99	48,521 31	0 00		13,324,569 68	2,919,629 15
Regulatory commission expenses	9280	2,624,761 29	1,813,682 90	1,994 70		809,083 69	(758,078 62)
General advertising expenses	9301	318,019 30	22,305 61	0 00		295,713 69	(493 18)
Miscellaneous general expenses	9302	1,724,289 81	643,233 58	110,133 05		970,923 18	1,647,612 08
Rents	9310	1,008,536 69	82,923 08	0 00	925,613 61	0 00	0 00
Maintenance of general plant	9350	6,436,014 08	3,090,965 03	1,590,352 34		1,754,696 71	(103,495 98)
Gain from Disposition of Allowances				0 00		0 00	0 00
		1,096,638,043 13	95,184,384 24	74,407,711 87	22,836,617 28	904,209,329 74	(539,059,299 26)
			Sch G-6	WP A-2 3	Sch A-5		
Affiliate		0 00					
Payroll							
TY O&M Not Adjusted		1,096,638,043 13					
		0 00					

SOUTHWESTERN ELECTRIC POWER COMPANY  
Analysis of cost of service activity  
For the Test Year Ended March 31, 2020

(1)	(2)	(9)	(10)
Description	Account No	Revenue Deficiency Total Company Adjustments Sch A Proforma	
Maintenance of overhead lines	5930		50,441,296 70
Maintenance of underground lines	5940		454,019 86
Maintenance of line transformers	5950		41,066 63
Maint of str lighting and signal sys	5960		146,821 46
Maintenance of meters	5970		59,902 51
Maintenance of misc distrib plant	5980		146,622 85
Supervision	9010		162,908 42
Meter reading expenses	9020		537,665 80
Customer records and collection exp	9030		2,095,042 41
Customer Deposit Interest	9030 2		1,438,096 93
Uncollectible accounts	9040		0 00
Miscellaneous customer accounts exp	9050		0 00
Factoring Expense	426 5	1,190,698 99	9,606,304 64
Supervision	9070		(453,537 34)
Customer assistance expenses	9080		140,866 67
DSM amortization expense	9080		0 00
Informational and instructional expenses	9090		0 00
Misc cust service and informational exp	9100		0 00
Supervision	9110		0 00
Demonstrating and selling expenses	9120		117,437 21
Administrative and general salaries	9200		(1,141,240 21)
Office supplies and expenses	9210		822,013 51
Admin expenses transferred - Cr	9220		(2,373,871 59)
Outside services employed	9230		0 00
Property insurance	9240		4,116,174 44
Injuries and damages	9250		3,400,131 99
Employee pensions and benefits	9260		16,244,198 83
Regulatory commission expenses	9280		51,005 07
General advertising expenses	9301		295,220 51
Miscellaneous general expenses	9302		2,618,535 26
Rents	9310		0 00
Maintenance of general plant	9350		1,651,200 73
Gain from Disposition of Allowances			0 00
		<u>1,190,698 99</u>	<u>366,340,729 47</u>
Affiliate			87,635,146 16
Payroll			76,551,424 44
TY O&M Not Adjusted			22,836,617 28
			<u>553,363,917 35</u>
			Sch A, ln 3,4



SOUTHWESTERN ELECTRIC POWER COMPANY  
Affiliate billings - Summary of Schedule G-6.1 by FERC account  
For the Test Year Ended March 31, 2020

FERC Acct	(1)	(2) Test Year Actual
	5000	15,196,385
	5010	934,725
	5020	194,210
	5050	4,954
	5060	(455,629)
	5070	3,339
	5100	401,520
	5110	612,336
	5120	1,611,489
	5130	455,951
	5140	163,006
	5170	(19,65)
	5200	51,25
	5240	1,811,78
	5280	6,291,12
	5290	362,48
	5300	44,20
	5310	255,63
	5320	582,16
	5350	5,068,06
	5370	1,132,07
	5390	6,478,79
	5420	306
	5430	(47)
	5440	(464)
	5450	1,149
	5460	(556)
	5470	(118)
	5490	6,171
	5510	(35)
	5530	12,975
	5550	(3)
	5560	1,506,164
	5570	3,569,751
	5600	7,758,807
	5612	1,073,705
	5613	(6,131)
	5615	251,857
	5620	33,463
	5630	45,098
	5640	44,189
	5660	2,365,116
	5670	133
	5680	9,842
	5690	374
	5691	9,937
	5692	280,999
	5693	63
	5700	359,858
	5710	225,520
	5720	(120)
	5730	12,864
	5800	1,441,672
	5810	14,613
	5820	98,678
	5830	15,121

SOUTHWESTERN ELECTRIC POWER COMPANY  
Affiliate billings - Summary of Schedule G-6 1 by FERC account  
For the Test Year Ended March 31, 2020

WP/A-2.2  
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FERC Acct	(1)	(2) Test Year Actual
	5840	107,857
	5860	256,177
	5870	8,611
	5880	1,135,764
	5890	27,046
	5900	13,129
	5910	800
	5920	144,287
	5930	175,209
	5940	663
	5950	16,665
	5960	210
	5970	1,283
	5980	33
	9010	83,647
	9020	142,955
	9030	12,968,284
	9050	29,178
	9070	146,610
	9080	199,925
	9090	0
	9100	27,409
	9110	2,198
	9120	148,453
	9200	28,577,478
	9210	2,115,525
	9220	0
	9230	4,849,159
	9240	1,749
	9250	27,153
	9260	48,521
	9280	1,813,683
	9301	22,306
	9302	643,234
	9310	82,923
	9350	3,090,965
		<u>95,184,384</u>

SOUTHWESTERN ELECTRIC POWER COMPANY  
Payroll by FERC - summary of WP G-1.3 detail  
For the Test Year Ended March 31, 2020

FERC	Total	
1070	30,831,093 27	
1080	5,789,925 40	36,621,018 67
1510	426,890 48	
1520	3,911,766 75	
1630	0 00	
1830	0 00	
1840	0 00	
1850	169,598 01	
1860	230,580 73	
1880	(1 060 85)	
2420	0 00	
4010	5,581 07	
4264	212,821 72	
4265	80,420 87	
4560	(46 033 45)	4,990,565 33
5000	5,273,165 54	
5010	50,682 31	
5020	6,857,893 21	
5050	7,117,975 61	
5060	3,180,083 01	
5100	3,928,391 88	
5110	831,627 27	
5120	8,195,282 43	
5130	1,748,176 30	
5140	1,847,164 41	
5420	196 70	
5440	1,125 43	
5480	206,327 41	
5520	985 67	
5530	312,657 10	
5600	1,453,938 91	
5612	694 47	
5620	242,444 96	
5630	20,394 23	
5660	296,121 33	
5680	3,234 79	
5690	4,743 03	
5700	1,013,440 12	
5710	365,267 36	
5800	655,175 46	
5820	305,878 90	
5830	(1 386 700 76)	
5840	618,150 40	
5850	25,818 41	
5860	2,568,021 78	
5870	261,908 04	
5880	9,303,951 96	
5900	122,227 37	
5910	6,926 67	
5920	676,655 72	
5930	5,680,297 86	
5940	184,702 21	
5950	72,805 36	
5960	133,719 10	
5970	343,708 51	
5980	203,351 12	
9010	462,558 57	
9020	1,741,188 93	
9030	2,438,820 00	
9070	975,873 86	
9080	1,886,333 21	
9200	4,325,627 85	
9220	(2 057 087 55)	
9250	203,305 74	
9260	0	
9280	1,994 70	
9302	110,133 05	
9350	1,590,352 34	74,407,711 87
Total	116,019,295 87	116,019,295 87

G-1.1

SOUTHWESTERN ELECTRIC POWER COMPANY  
Other Rate Base Additions and Deductions  
For the Test Year Ended March 31, 2020

Line No	(1)	(2) Test Year Actual	(3) Company Adjustments to Test Year	(4) Company Request
1	Other Rate Base Additions			
2	Leases	74,777,296	(74,777,296)	0
3	Completed construction not classified	319,647,154	0	319,647,154
4	Plant Acquisition	18,043,976	(18,043,976)	0
5	Dolet Hills Mine FAS 143 ARO Asset	61,976,617	(61,976,617)	0
6	Electric Plant Purchased or Sold	64,005	(64,005)	0
7	SFAS #106 Medicare Subsidy	2,533,221	0	2,533,221
8	Trading Deposits	2,092,064	0	2,092,064
9	Investment in Oxbow	0	16,576,181	16,576,181
10	Total Other Rate Base Additions	<u>479,134,333</u>	<u>(138,285,713)</u>	<u>340,848,620</u>
11	Other Rate Base Deductions			
12	SFAS #109 Regulatory Assets & Liabilities	(412,675,887)	35,506,181	(377,169,706)
13	Other Electric Plant Adjustments	(70,857,434)	0	(70,857,434)
14	Sabine mine reclamation	(0)	(64,960,236)	(64,960,236)
15	IPP Credit	(7,532,556)	0	(7,532,556)
16	Excess Earnings deferral	(2,453,476)	0	(2,453,476)
17	Advances for Construction	0	0	0
18	T V Pole Attachments	(831,313)	0	(831,313)
19	Total Other Rate Base Deductions	<u>(81,674,778)</u>	<u>(64,960,236)</u>	<u>(146,635,014)</u>

Date of Storm/Index	Distribution Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total
01/01/00		304					
07/01/00		310					
12/25/00	14,634,881		315 772	2 318	33,923,654		
01/01/01		316				33,923,654	33,923,654
07/01/01		320				0	
01/01/02		326				0	0
07/01/02		326				0	
01/01/03		329				0	0
07/01/03		331				0	
01/01/04		335				0	0
06/15/04	641,212		353 242	2 072	1,328,591		
07/01/04		355				1,328,591	
01/01/05		368				0	1,328,591
07/01/05		377				0	
09/23/05	1,544,036		387 957	1 887	2,913,595		
11/27/05	38,659		396 435	1 846	0		
01/01/06		401				2,913,595	2,913,595
01/12/06	3,008		402 276	1 820	0		
02/18/06	80,574		406 569	1 800	0		
03/09/06	37,147		408 773	1 791	0		
07/01/06		422				0	
01/01/07		451				0	0
01/15/07	27,332		451 619	1 621	0		
02/24/07	74,388		453 387	1 615	0		
03/27/07	3,490		454 757	1 610	0		
06/03/07	19,999		457 762	1 599	0		
06/26/07	98,525		458 779	1 596	0		
07/01/07		459				0	
07/05/07	10,764		460 348	1 590	0		
01/01/08		521				0	0
01/29/08	47,598		519 923	1 408	0		
02/05/08	7,130		519 654	1 409	0		
03/18/08	102,349		518 038	1 413	0		
03/29/08	156,473		517 615	1 414	0		
04/10/08	45,408		517 154	1 415	0		
05/07/08	23,936		516 115	1 418	0		
05/11/08	9,213		515 962	1 419	0		
05/13/08	56,330		515 885	1 419	0		
05/14/08	73,693		515 846	1 419	0		
05/22/08	145,266		515 538	1 420	0		
06/14/08	45,678		514 654	1 422	0		
06/17/08	26,175		514 538	1 423	0		
06/28/08	59,362		514 115	1 424	0		
07/01/08		514				0	
07/13/08	30,181		515 370	1 420	0		
07/23/08	6,043		516 511	1 417	0		
08/29/08	11,324		520 734	1 406	0		
09/01/08	294,775		521 076	1 405	0		
09/12/08	2,245,332		522 332	1 401	3,145,709		
01/01/09		535				3,145,709	3,145,709
02/11/09	32,539		532 055	1 376	0		
04/02/09	19,025		528 464	1 385	0		
04/11/09	18,179		527 818	1 387	0		
05/02/09	96,286		526 309	1 391	0		
05/09/09	26,235		525 807	1 392	0		
06/10/09	70,505		523 508	1 398	0		
07/01/09		522				0	
07/16/09	30,775		523 793	1 397	0		
07/28/09	46,391		525 228	1 394	0		
10/01/09	30,465		533 000	1 373	0		
10/09/09	232,044		533 957	1 371	0		
10/29/09	28,910		536 348	1 365	0		
12/24/09	30,764		543 043	1 348	0		
01/01/10		544				0	0
01/20/10	12,967		544 945	1 343	0		
01/28/10	130,087		545 343	1 342	0		
02/11/10	732,724		546 039	1 341	982,582		
04/23/10	87,697		549 569	1 332	0		
04/30/10	1,985		549 917	1 331	0		
06/09/10	47,818		551 906	1 326	0		
07/01/10		553				982,582	
07/08/10	857		553 380	1 323	0		

Date of Storm/Index	Distribution Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total
07/26/10	6,918		554 359	1 320	0		
08/06/10	25,438		554 957	1 319	0		
10/11/10	22,991		558 543	1 311	0		
10/25/10	52,744		559 304	1 309	0		
11/01/10	4,770		559 685	1 308	0		
01/01/11		563				0	982,582
01/10/11	891,110		563 746	1 298	1,156,661		
02/01/11	65,603		565 569	1 294	0		
02/04/11	11,200		565 818	1 294	0		
02/09/11	2,876		566 232	1 293	0		
02/24/11	33,693		567 475	1 290	0		
02/28/11	5,851		567 807	1 289	0		
04/04/11	38,066		570 707	1 283	0		
04/15/11	33,429		571 619	1 281	0		
04/25/11	207,202		572 448	1 279	0		
05/02/11	36,644		573 028	1 277	0		
05/12/11	11,164		573 856	1 276	0		
05/23/11	30,099		574 768	1 274	0		
06/05/11	54,398		575 845	1 271	0		
06/20/11	19,021		577 088	1 268	0		
06/28/11	122,600		577 751	1 267	0		
06/30/11	46,621		577 917	1 267	0		
07/01/11		578				1,156,661	
07/04/11	57,614		578 065	1 266	0		
07/14/11	5,572		578 283	1 266	0		
07/24/11	9,520		578 500	1 265	0		
08/21/11	20,916		579 109	1 264	0		
08/24/11	122,072		579 174	1 264	0		
09/04/11	158,395		579 413	1 263	0		
10/17/11	24,354		580 348	1 261	0		
11/08/11	6,869		580 826	1 260	0		
11/15/11	928		580 978	1 260	0		
11/22/11	4,543		581 130	1 260	0		
01/01/12		582				0	1,156,661
01/09/12	12,948		582 440	1 257	0		
01/22/12	3,268		583 154	1 255	0		
01/25/12	10,856		583 319	1 255	0		
02/23/12	13,849		584 912	1 251	0		
03/08/12	50,650		585 681	1 250	0		
03/20/12	60,062		586 341	1 248	0		
04/02/12	134,954		587 055	1 247	0		
04/15/12	11,292		587 769	1 245	0		
04/20/12	14,766		588 044	1 245	0		
05/07/12	251,131		588 978	1 243	0		
05/15/12	6,411		589 418	1 242	0		
05/30/12	44,439		590 242	1 240	0		
06/07/12	7,330		590 681	1 239	0		
06/12/12	92,442		590 956	1 239	0		
07/01/12		592				0	
07/09/12	126,129		592 652	1 235	0		
07/21/12	23,063		593 630	1 233	0		
07/26/12	15,825		594 038	1 232	0		
08/05/12	52,143		594 853	1 231	0		
08/08/12	217,556		595 098	1 230	0		
08/15/12	38,502		595 668	1 229	0		
08/17/12	37,498		595 832	1 229	0		
08/29/12	38,082		596 810	1 227	0		
09/29/12	92,155		599 337	1 221	0		
10/14/12	31,866		600 560	1 219	0		
11/11/12	25,590		602 842	1 214	0		
12/20/12	298,167		606 022	1 208	0		
12/25/12	71,218		606 429	1 207	0		
01/01/13		607				0	0
01/29/13	68,164		608 392	1 203	0		
02/10/13	8,060		608 989	1 202	0		
02/18/13	63,072		609 387	1 201	0		
03/10/13	33,162		610 381	1 199	0		
03/31/13	96,311		611 425	1 197	0		
04/18/13	17,752		612 320	1 195	0		
05/15/13	57,059		613 663	1 193	0		
05/21/13	293,089		613 961	1 192	0		
06/06/13	16,111		614 757	1 191	0		

Date of Storm/Index	Distribution Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total
06/17/13	18,425		615 304	1 190	0		
07/01/13		616				0	
07/12/13	16,260		616 658	1 187	0		
07/19/13	6,257		617 076	1 186	0		
08/01/13	21,779		617 853	1 185	0		
08/10/13	10,058		618 391	1 184	0		
09/01/13	78,085		619 707	1 181	0		
09/11/13	23,160		620 304	1 180	0		
09/16/13	2,192		620 603	1 179	0		
09/20/13	107,651		620 842	1 179	0		
09/28/13	12,386		621 321	1 178	0		
10/27/13	4,802		623 054	1 175	0		
10/30/13	78,866		623 234	1 175	0		
01/01/14		627				0	0
01/04/14	12,987		627 116	1 167	0		
01/28/14	39,616		628 044	1 166	0		
02/11/14	93,999		628 586	1 165	0		
02/20/14	7,060		628 934	1 164	0		
03/02/14	814,915		629 320	1 163	947,746		
03/29/14	26,241		630 365	1 161	0		
04/03/14	19,688		630 558	1 161	0		
04/06/14	29,373		630 674	1 161	0		
04/13/14	8,771		630 945	1 160	0		
04/26/14	2,278		631 448	1 159	0		
04/28/14	14,483		631 525	1 159	0		
05/08/14	35,220		631 912	1 158	0		
05/12/14	411,547		632 066	1 158	0		
07/01/14		634				947,746	
07/23/14	176,933		635 793	1 151	0		
10/02/14	76,492		641 582	1 141	0		
10/13/14	42,922		642 478	1 139	0		
01/01/15		649				0	947,746
01/14/15	8,490		649 000	1 128	0		
02/23/15	116,598		649 000	1 128	0		
02/25/15	128,385		649 000	1 128	0		
04/09/15	56,369		649 000	1 128	0		
04/16/15	82,330		649 000	1 128	0		
04/24/15	164,760		649 000	1 128	0		
05/07/15	7,203		649 000	1 128	0		
05/10/15	110,415		649 000	1 128	0		
05/24/15	2,462,740		649 000	1 128	2,777,970		
06/17/15	14,499		649 000	1 128	0		
07/01/15		649				2,777,970	
08/19/15	42,315		651 397	1 124	0		
10/23/15	50,741		654 576	1 118	0		
10/30/15	10,347		654 918	1 118	0		
11/17/15	84,029		655 799	1 116	0		
11/27/15	57,589		656 288	1 115	0		
12/13/15	30,017		657 071	1 114	0		
12/27/15	443,670		657 755	1 113	0		
01/01/16		658				0	2,777,970
02/08/16	18,694		658 000	1 112	0		
02/23/16	4,751		658 000	1 112	0		
03/09/16	140,913		658 000	1 112	0		
03/23/16	51,523		658 000	1 112	0		
03/30/16	1,918		658 000	1 112	0		
04/11/16	8,759		658 000	1 112	0		
04/27/16	28,265		658 000	1 112	0		
04/29/16	306,120		658 000	1 112	0		
05/09/16	153,518		658 000	1 112	0		
05/26/16	25,533		658 000	1 112	0		
07/01/16		658				0	
07/10/16	12,121		658 685	1 111	0		
07/14/16	33,103		658 989	1 111	0		
07/25/16	3,327		659 826	1 109	0		
07/27/16	31,438		659 978	1 109	0		
08/06/16	21,842		660 739	1 108	0		
08/08/16	5,614		660 891	1 108	0		
08/12/16	6,944		661 196	1 107	0		
08/16/16	49,058		661 500	1 107	0		
08/23/16	14,677		662 033	1 106	0		
08/28/16	2,358		662 413	1 105	0		

Date of Storm/Index	Distribution Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total
11/28/16	60,024		669 413	1 093	0		
12/18/16	8,462		670 935	1 091	0		
01/01/17		672				0	0
01/02/17	9,724		672 071	1 089	0		
01/10/17	8,091		672 641	1 088	0		
01/21/17	40,771		673 425	1 087	0		
02/19/17	35,985		675 490	1 084	0		
04/10/17	33,468		679 052	1 078	0		
04/29/17	196,564		680 405	1 076	0		
05/03/17	134,678		680 690	1 075	0		
05/11/17	26,327		681 260	1 074	0		
05/19/17	10,804		681 830	1 074	0		
05/28/17	3,954,987		682 471	1 073	4,243,701		
06/23/17	13,008		684 323	1 070	0		
07/01/17		684	684 893	1 069			
07/01/17	386,130		684 893	1 069	0		
07/09/17	5,142		685 463	1 068	0		
07/23/17	3,429		686 460	1 066	0		
01/01/18		698				4,243,701	4,243,701
01/11/18	7,911		698 663	1 048	0		
01/21/18	50,137		699 326	1 047	0		
02/07/18	7,333		700 453	1 045	0		
02/20/18	16,611		701 315	1 044	0		
02/28/18	39,861		701 845	1 043	0		
03/11/18	27,013		702 575	1 042	0		
03/28/18	33,912		703 702	1 040	0		
04/03/18	79,976		704 099	1 040	0		
04/06/18	49,515		704 298	1 039	0		
04/13/18	468,039		704 762	1 039	0		
05/04/18	20,150		706 155	1 037	0		
06/05/18	23,463		708 276	1 033	0		
07/01/18		710				0	
07/03/18	135,204		710,239	1 031	0		
07/30/18	8,982		713 467	1 026	0		
10/09/18	38,629		721 957	1 014	0		
10/31/18	39,856		724 587	1 010	0		
12/07/18	23,631		729 011	1 004	0		
12/26/18	171,500		731 283	1 001	0		
01/01/19		732				0	0
01/18/19	33,529		732 000	1 000	0		
02/23/19	33,327		732 000	1 000	0		
03/09/19	7,507		732 000	1 000	0		
03/14/19	427,961		732 000	1 000	0		
03/25/19	23,876		732 000	1 000	0		
04/07/19	37,742		732 000	1 000	0		
04/13/19	109,073		732 000	1 000	0		
04/17/19	93,571		732 000	1 000	0		
05/01/19	116,579		732 000	1 000	0		
05/08/19	6,407,780		732 000	1 000	6,407,780		
05/18/19	35,021		732 000	1 000	0		
06/19/19	399,961		732 000	1 000	0		
06/22/19	182,018		732 000	1 000	0		
07/01/19		732				6,407,780	
07/10/19	196,374		732 000	1 000	0		
08/18/19	6,528		732 000	1 000	0		
09/03/19	13,948		732 000	1 000	0		
01/01/20		732				0	6,407,780
01/11/20	433,254		732 000	1 000	0		
07/01/20		732				0	0
Total							57,827,989
Total Number of Claims						233	
Number of Years						20	
Average per year						11 506	
Avg Natural Log of Losses						10 701369	
Std Dev of above						1 535254	



SOUTHWESTERN ELECTRIC POWER COMPANY  
COMMON EQUITY  
For the Test Year Ending March 31, 2020

Line No	Acct No	Description	Per Books March 31, 2020	Adjustments	Test Year March 31, 2020
1	2010001	Common Stock Issued-Affiliated	135,659,520		135,659,520
2	2100000	Gain Rsle/Cancl Req Cap Stock	2,106,937		2,106,937
4	2110000	Miscellaneous Paid-In Capital	674,443,764		674,443,764
5	2190007	OCI-Min Pen Liab FAS 158-OPEB	(8,219) (1)	8,219	0
7	2190015	Accum OCI-Hdg-CF-Int Rate	(1,259,816) (2)	1,259,816	0
8	2190016	Accum OCI-Hdg-CF-For Exchg	0	0	0
10	2160001	Unapprp Retnd Erngs-Unrestricted	1,608,054,013		1,608,054,013
11	2161001	Unap Undist Consol Sub Erng	11,487,148		11,487,148
12	2161002	Unap Undist Nonconsol Sub Erng	26,782,850		26,782,850
13					
14					0
15			2,457,266,197	1,268,035	2,458,534,232
16					
17		<u>Adjustments</u>			
18					
19	(1)	Eliminate OCI since charge has not been reflected in operating income			
20	(2)	Includes Settled Interest Swaps reclassified to long term debt and included in Schedule K-3			
21					

AEP - SOUTHWESTERN ELECTRIC POWER COMPANY  
ADJUSTED WEIGHTED COST OF DEBT - TEST YEAR SUPPORT  
As of March 31, 2020

**ISSUE COSTS**

Account 181		Debt Issuance				
Sr	Unsecured Notes	Account	Costs at 3/31/2020	Pro Forma Adjustments	Balance Reclassification	Adjusted Bal 3/31/2020
	Series I	1810006	393,362			393,362
	Series K	1810006	2,020,652			2,020,652
	Series M	1810006	3,915,731			3,915,731
	Series H	1810006	2,236,734			2,236,734
	Series J	1810006	3,312,822			3,312,822
	Series L	1810006	4,355,163			4,355,163
			16,234,464	0	0	16,234,464
Pollution Control Bonds			0			0
			16,234,464	0	0	16,234,464
	Local Bank Cr Facility	1810003	31,330	173,571		204,901
	Book Balance		16,265,793	173,571	0	16,439,364

AEP - SOUTHWESTERN ELECTRIC POWER COMPANY  
ADJUSTED WEIGHTED COST OF DEBT - TEST YEAR SUPPORT  
As of March 31, 2020

DISCOUNT	Account	Debt Discount Costs at 3/31/2020	Pro Forma Adjustments	Balance Reclassification	Adjusted Bal 3/31/2020
Account 226					
Sr Unsecured Notes					
Series I	2260006	258,990			258,990
Series K	2260006	266,934			266,934
Series M	2260006	0			0
Series H	2260006	97,800			97,800
Series J	2260006	2,945,973			2,945,973
Series L	2260006	896,496			896,496
		<u>4,466,191</u>	<u>0</u>	<u>0</u>	<u>4,466,191</u>
Pollution Control Bonds					
		0			0
		<u>4,466,191</u>	<u>0</u>	<u>0</u>	<u>4,466,191</u>
Debt Issue + Discount		<u>20,731,985</u>		<u>0</u>	<u>20,905,556</u>

**AEP - SOUTHWESTERN ELECTRIC POWER COMPANY**  
**ADJUSTED WEIGHTED COST OF DEBT - TEST YEAR SUPPORT**  
**As of March 31, 2020**

**LOSS ON REACQUIRED DEBT**  
Account 189 & 257

		3/31/2020				
	Account	Unamortized Balance	Pro Forma Adjustments	Balance Reclassification	Adjusted Bal 3/31/2020	Annual Amortization
BB Series	1890001	761,735			761,735	152,347
Z Series	1890001	1,123,183			1,123,183	47,795
L Series	1890001	1,247			1,247	0
1992 Desoto	1890002	76,654			76,654	49,063
Capital I Trust	1890004	1,748,105			1,748,105	73,971
G Series	1890006	2,742,205			2,742,205	325,661
		6,453,129	0	0	6,453,129	648,838
<b>Gain on Reacquired Debt</b>						
Gain L Series	2570001	(484)	484		0	0
<b>TOTAL</b>		<b>6,452,644</b>	<b>484</b>	<b>0</b>	<b>6,453,129</b>	<b>648,838</b>

2) SWEPCo - 2018 T-Lock GainsA) Monthly Journal Entry & Reconciliation Worksheet:

<b>Linked to Summary</b>
<b>09/30/18</b>

Business Unit	Business Unit Name	Account	Account Description
111	TX Transmission	2190015	AOCI
		2830015	ADIT
		4270006	Interest Expense
159	Distribution	2190015	AOCI
		2830015	ADIT
		4270006	Interest Expense
161	TX Distribution	2190015	AOCI
		2830015	ADIT
		4270006	Interest Expense
168	Generation	2190015	AOCI
		2830015	ADIT
		4270006	Interest Expense
194	Transmission	2190015	AOCI
		2830015	ADIT
		4270006	Interest Expense

H) Amortization JEs & Schedule.

Month	Notes	Balance (Gain) / Loss	Corp. Tax Rate
09/12/18		\$ (2,913,404 86)	21%
09/30/18		\$ (2,898,837 84)	21%
10/31/18		\$ (2,874,559 46)	21%
11/30/18		\$ (2,850,281 09)	21%
12/31/18		\$ (2,826,002 71)	21%
01/31/19		\$ (2,801,724 34)	21%
02/28/19		\$ (2,777,445 97)	21%
03/31/19		\$ (2,753,167 59)	21%
04/30/19		\$ (2,728,889 22)	21%
05/31/19		\$ (2,704,610 85)	21%
06/30/19		\$ (2,680,332 47)	21%
07/31/19		\$ (2,656,054 10)	21%
08/31/19		\$ (2,631,775 72)	21%
09/30/19		\$ (2,607,497 35)	21%
10/31/19		\$ (2,583,218 98)	21%
11/30/19		\$ (2,558,940 60)	21%
12/31/19		\$ (2,534,662 23)	21%
01/31/20		\$ (2,510,383 85)	21%
02/29/20		\$ (2,486,105 48)	21%
03/31/20		\$ (2,461,827 11)	21%
04/30/20		\$ (2,437,548 73)	21%
05/31/20		\$ (2,413,270 36)	21%
06/30/20		\$ (2,388,991 99)	21%
07/31/20		\$ (2,364,713 61)	21%
08/31/20		\$ (2,340,435 24)	21%
09/30/20		\$ (2,316,156 86)	21%
10/31/20		\$ (2,291,878 49)	21%
11/30/20		\$ (2,267,600 12)	21%
12/31/20		\$ (2,243,321 74)	21%
01/31/21		\$ (2,219,043 37)	21%
02/28/21		\$ (2,194,764 99)	21%
03/31/21		\$ (2,170,486 62)	21%
04/30/21		\$ (2,146,208 25)	21%

05/31/21	\$	(2,121,929.87)	21%
06/30/21	\$	(2,097,651.50)	21%
07/31/21	\$	(2,073,373.13)	21%
08/31/21	\$	(2,049,094.75)	21%
09/30/21	\$	(2,024,816.38)	21%
10/31/21	\$	(2,000,538.00)	21%
11/30/21	\$	(1,976,259.63)	21%
12/31/21	\$	(1,951,981.26)	21%
01/31/22	\$	(1,927,702.88)	21%
02/28/22	\$	(1,903,424.51)	21%
03/31/22	\$	(1,879,146.13)	21%
04/30/22	\$	(1,854,867.76)	21%
05/31/22	\$	(1,830,589.39)	21%
06/30/22	\$	(1,806,311.01)	21%
07/31/22	\$	(1,782,032.64)	21%
08/31/22	\$	(1,757,754.27)	21%
09/30/22	\$	(1,733,475.89)	21%
10/31/22	\$	(1,709,197.52)	21%
11/30/22	\$	(1,684,919.14)	21%
12/31/22	\$	(1,660,640.77)	21%
01/31/23	\$	(1,636,362.40)	21%
02/28/23	\$	(1,612,084.02)	21%
03/31/23	\$	(1,587,805.65)	21%
04/30/23	\$	(1,563,527.27)	21%
05/31/23	\$	(1,539,248.90)	21%
06/30/23	\$	(1,514,970.53)	21%
07/31/23	\$	(1,490,692.15)	21%
08/31/23	\$	(1,466,413.78)	21%
09/30/23	\$	(1,442,135.41)	21%
10/31/23	\$	(1,417,857.03)	21%
11/30/23	\$	(1,393,578.66)	21%
12/31/23	\$	(1,369,300.28)	21%
01/31/24	\$	(1,345,021.91)	21%
02/29/24	\$	(1,320,743.54)	21%
03/31/24	\$	(1,296,465.16)	21%
04/30/24	\$	(1,272,186.79)	21%
05/31/24	\$	(1,247,908.42)	21%
06/30/24	\$	(1,223,630.04)	21%
07/31/24	\$	(1,199,351.67)	21%
08/31/24	\$	(1,175,073.29)	21%
09/30/24	\$	(1,150,794.92)	21%
10/31/24	\$	(1,126,516.55)	21%
11/30/24	\$	(1,102,238.17)	21%
12/31/24	\$	(1,077,959.80)	21%
01/31/25	\$	(1,053,681.42)	21%
02/28/25	\$	(1,029,403.05)	21%
03/31/25	\$	(1,005,124.68)	21%
04/30/25	\$	(980,846.30)	21%
05/31/25	\$	(956,567.93)	21%
06/30/25	\$	(932,289.56)	21%
07/31/25	\$	(908,011.18)	21%
08/31/25	\$	(883,732.81)	21%
09/30/25	\$	(859,454.43)	21%
10/31/25	\$	(835,176.06)	21%
11/30/25	\$	(810,897.69)	21%
12/31/25	\$	(786,619.31)	21%
01/31/26	\$	(762,340.94)	21%
02/28/26	\$	(738,062.56)	21%
03/31/26	\$	(713,784.19)	21%
04/30/26	\$	(689,505.82)	21%
05/31/26	\$	(665,227.44)	21%
06/30/26	\$	(640,949.07)	21%
07/31/26	\$	(616,670.70)	21%
08/31/26	\$	(592,392.32)	21%
09/30/26	\$	(568,113.95)	21%
10/31/26	\$	(543,835.57)	21%
11/30/26	\$	(519,557.20)	21%
12/31/26	\$	(495,278.83)	21%
01/31/27	\$	(471,000.45)	21%
02/28/27	\$	(446,722.08)	21%
03/31/27	\$	(422,443.70)	21%
04/30/27	\$	(398,165.33)	21%
05/31/27	\$	(373,886.96)	21%
06/30/27	\$	(349,608.58)	21%
07/31/27	\$	(325,330.21)	21%
08/31/27	\$	(301,051.84)	21%

09/30/27	\$	(276,773 46)	21%
10/31/27	\$	(252,495 09)	21%
11/30/27	\$	(228,216 71)	21%
12/31/27	\$	(203,938 34)	21%
01/31/28	\$	(179,659 97)	21%
02/29/28	\$	(155,381 59)	21%
03/31/28	\$	(131,103 22)	21%
04/30/28	\$	(106,824 84)	21%
05/31/28	\$	(82,546 47)	21%
06/30/28	\$	(58,268 10)	21%
07/31/28	\$	(33,989 72)	21%
08/31/28	\$	(9,711 35)	21%
09/30/28	\$	(0 00)	21%



Journal Entry	
Debit / (Credit)	Account Balance
\$ 765.21	\$ (152,276.71)
\$ 203.41	\$ (40,478.62)
\$ (968.62)	\$ 192,755.32
\$ 1,643.74	\$ (327,103.85)
\$ 436.94	\$ (86,951.66)
\$ (2,080.68)	\$ 414,055.50
\$ 850.52	\$ (169,253.08)
\$ 226.09	\$ (44,991.33)
\$ (1,076.61)	\$ 214,244.41
\$ 6,727.40	\$ (1,338,752.10)
\$ 1,788.30	\$ (355,870.81)
\$ (8,515.69)	\$ 1,694,622.91
\$ 1,521.09	\$ (302,696.15)
\$ 404.34	\$ (80,463.53)
\$ (1,925.43)	\$ 383,159.69

\$ (14,567.02)

	Series M Hedge Gain	
	9/12/2018	12/31/2018
	Hedging Gain	Hedging Gain
	Initial Balance	Balance
AOCI deferred	\$ (2,301,589.84)	\$ (2,232,542.14)
ADIT	(611,815.02)	(593,460.57)
	<u>\$ (2,913,404.86)</u>	<u>\$ (2,826,002.71)</u>
Annual Amortization		291,340.49

[illegible]



[illegible]

6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	19,179.92
6.65%	14.28%	7.39%	58.46%	13.22%	\$	7,671.97



12/31/2019	
Hedging Gain	
Balance	
\$	(2,002,383 16)
	(532,279 07)
\$	(2,534,662 23)
	291,340 49

[illegible]



5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
5,098.46	(24,278.37)	1,275.35	339.02	(1,614.37)	2,739.56	728.24	(3,467.80)
2,039.38	(9,711.35)	510.14	135.61	(645.75)	1,095.83	291.30	(1,387.12)

## Monthly JE's by Business Unit - Debit / (Credit):

161			168			194			
TX Distribution			Generation			Transmission			7
2190015	2830015	4270006	2190015	2830015	4270006	2190015	2830015	4270006	2190015
(170,103 60)	(45,217 41)	-	(1,345,479 50)	(357,659 11)	-	(304,217 24)	(80,867 87)	-	(153,041 91)
850 52	226 09	(1,076 61)	6,727 40	1,788 30	(8,515 69)	1,521 09	404 34	(1,925 43)	(152,276 71)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(151,001 36)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(149,726 01)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(148,450 66)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(147,175 31)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(145,899 96)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(144,624 61)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(143,349 26)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(142,073 91)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(140,798 56)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(139,523 21)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(138,247 86)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(136,972 51)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(135,697 16)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(134,421 82)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(133,146 47)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(131,871 12)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(130,595 77)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(129,320 42)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(128,045 07)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(126,769 72)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(125,494 37)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(124,219 02)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(122,943 67)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(121,668 32)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(120,392 97)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(119,117 62)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(117,842 27)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(116,566 93)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(115,291 58)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(114,016 23)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(112,740 88)

1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(111,465 53)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(110,190 18)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(108,914 83)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(107,639 48)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(106,364 13)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(105,088 78)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(103,813 43)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(102,538 08)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(101,262 73)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(99,987 38)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(98,712 04)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(97,436 69)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(96,161 34)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(94,885 99)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(93,610 64)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(92,335 29)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(91,059 94)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(89,784 59)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(88,509 24)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(87,233 89)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(85,958 54)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(84,683 19)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(83,407 84)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(82,132 49)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(80,857 14)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(79,581 80)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(78,306 45)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(77,031 10)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(75,755 75)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(74,480 40)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(73,205 05)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(71,929 70)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(70,654 35)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(69,379 00)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(68,103 65)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(66,828 30)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(65,552 95)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(64,277 60)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(63,002 25)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(61,726 91)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(60,451 56)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(59,176 21)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(57,900 86)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(56,625 51)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(55,350 16)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(54,074 81)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(52,799 46)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(51,524 11)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(50,248 76)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(48,973 41)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(47,698 06)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(46,422 71)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(45,147 36)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(43,872 02)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(42,596 67)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(41,321 32)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(40,045 97)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(38,770 62)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(37,495 27)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(36,219 92)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(34,944 57)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(33,669 22)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(32,393 87)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(31,118 52)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(29,843 17)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(28,567 82)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(27,292 47)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(26,017 13)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(24,741 78)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(23,466 43)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(22,191 08)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(20,915 73)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(19,640 38)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(18,365 03)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(17,089 68)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(15,814 33)

1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(14,538 98)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(13,263 63)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(11,988 28)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(10,712 93)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(9,437 58)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(8,162 24)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(6,886 89)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(5,611 54)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(4,336 19)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(3,060 84)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(1,785 49)
1,417 53	376 81	(1,794 34)	11,212 33	2,980 49	(14,192 82)	2,535 14	673 90	(3,209 04)	(510 14)
567 01	150 72	(717 74)	4,484 93	1,192 20	(5,677 13)	1,014 06	269 56	(1,283 62)	(0 00)



Monthly Account Balances & Remaining Amortization Expense by Business Unit - Debit								
111	159				161			
X Transmission	Distribution				TX Distribution			
2830015	4270006	2190015	2830015	4270006	2190015	2830015	4270006	2190015
(40,682 03)	-	(328,747 58)	(87,388 60)	-	(170,103 60)	(45,217 41)	-	(1,345,479 50)
(40,478 62)	192,755 32	(327,103 85)	(86,951 66)	414,055 50	(169,253 08)	(44,991 33)	214,244 41	(1,338,752 10)
(40,139 60)	191,140 96	(324,364 28)	(86,223 42)	410,587 70	(167,835 55)	(44,614 51)	212,450 07	(1,327,539 77)
(39,800 58)	189,526 59	(321,624 72)	(85,495 18)	407,119 90	(166,418 02)	(44,237 70)	210,655 72	(1,316,327 44)
(39,461 57)	187,912 22	(318,885 16)	(84,766 94)	403,652 10	(165,000 49)	(43,860 89)	208,861 38	(1,305,115 11)
(39,122 55)	186,297 86	(316,145 59)	(84,038 70)	400,184 30	(163,582 96)	(43,484 08)	207,067 04	(1,293,902 79)
(38,783 53)	184,683 49	(313,406 03)	(83,310 46)	396,716 49	(162,165 43)	(43,107 27)	205,272 70	(1,282,690 46)
(38,444 52)	183,069 13	(310,666 47)	(82,582 23)	393,248 69	(160,747 90)	(42,730 46)	203,478 36	(1,271,478 13)
(38,105 50)	181,454 76	(307,926 90)	(81,853 99)	389,780 89	(159,330 37)	(42,353 64)	201,684 02	(1,260,265 80)
(37,766 48)	179,840 39	(305,187 34)	(81,125 75)	386,313 09	(157,912 84)	(41,976 83)	199,889 67	(1,249,053 47)
(37,427 47)	178,226 03	(302,447 78)	(80,397 51)	382,845 29	(156,495 31)	(41,600 02)	198,095 33	(1,237,841 14)
(37,088 45)	176,611 66	(299,708 21)	(79,669 27)	379,377 49	(155,077 78)	(41,223 21)	196,300 99	(1,226,628 81)
(36,749 43)	174,997 29	(296,968 65)	(78,941 03)	375,909 69	(153,660 25)	(40,846 40)	194,506 65	(1,215,416 48)
(36,410 42)	173,382 93	(294,229 09)	(78,212 80)	372,441 88	(152,242 72)	(40,469 58)	192,712 31	(1,204,204 15)
(36,071 40)	171,768 56	(291,489 53)	(77,484 56)	368,974 08	(150,825 19)	(40,092 77)	190,917 96	(1,192,991 82)
(35,732 38)	170,154 20	(288,749 96)	(76,756 32)	365,506 28	(149,407 66)	(39,715 96)	189,123 62	(1,181,779 49)
(35,393 36)	168,539 83	(286,010 40)	(76,028 08)	362,038 48	(147,990 13)	(39,339 15)	187,329 28	(1,170,567 16)
(35,054 35)	166,925 46	(283,270 84)	(75,299 84)	358,570 68	(146,572 60)	(38,962 34)	185,534 94	(1,159,354 84)
(34,715 33)	165,311 10	(280,531 27)	(74,571 60)	355,102 88	(145,155 07)	(38,585 53)	183,740 60	(1,148,142 51)
(34,376 31)	163,696 73	(277,791 71)	(73,843 37)	351,635 07	(143,737 54)	(38,208 71)	181,946 26	(1,136,930 18)
(34,037 30)	162,082 37	(275,052 15)	(73,115 13)	348,167 27	(142,320 01)	(37,831 90)	180,151 91	(1,125,717 85)
(33,698 28)	160,468 00	(272,312 58)	(72,386 89)	344,699 47	(140,902 48)	(37,455 09)	178,357 57	(1,114,505 52)
(33,359 26)	158,853 63	(269,573 02)	(71,658 65)	341,231 67	(139,484 95)	(37,078 28)	176,563 23	(1,103,293 19)
(33,020 25)	157,239 27	(266,833 46)	(70,930 41)	337,763 87	(138,067 42)	(36,701 47)	174,768 89	(1,092,080 86)
(32,681 23)	155,624 90	(264,093 89)	(70,202 17)	334,296 07	(136,649 89)	(36,324 65)	172,974 55	(1,080,868 53)
(32,342 21)	154,010 53	(261,354 33)	(69,473 94)	330,828 27	(135,232 36)	(35,947 84)	171,180 21	(1,069,656 20)
(32,003 20)	152,396 17	(258,614 77)	(68,745 70)	327,360 46	(133,814 83)	(35,571 03)	169,385 86	(1,058,443 87)
(31,664 18)	150,781 80	(255,875 20)	(68,017 46)	323,892 66	(132,397 30)	(35,194 22)	167,591 52	(1,047,231 54)
(31,325 16)	149,167 44	(253,135 64)	(67,289 22)	320,424 86	(130,979 77)	(34,817 41)	165,797 18	(1,036,019 21)
(30,986 14)	147,553 07	(250,396 08)	(66,560 98)	316,957 06	(129,562 24)	(34,440 60)	164,002 84	(1,024,806 89)
(30,647 13)	145,938 70	(247,656 51)	(65,832 74)	313,489 26	(128,144 71)	(34,063 78)	162,208 50	(1,013,594 56)
(30,308 11)	144,324 34	(244,916 95)	(65,104 51)	310,021 46	(126,727 18)	(33,686 97)	160,414 15	(1,002,382 23)
(29,969 09)	142,709 97	(242,177 39)	(64,376 27)	306,553 65	(125,309 65)	(33,310 16)	158,619 81	(991,169 90)

(29,630 08)	141,095 60	(239,437 82)	(63,648 03)	303,085 85	(123,892 12)	(32,933 35)	156,825 47	(979,957 57)
(29,291 06)	139,481 24	(236,698 26)	(62,919 79)	299,618 05	(122,474 59)	(32,556 54)	155,031 13	(968,745 24)
(28,952 04)	137,866 87	(233,958 70)	(62,191 55)	296,150 25	(121,057 06)	(32,179 73)	153,236 79	(957,532 91)
(28,613 03)	136,252 51	(231,219 13)	(61,463 31)	292,682 45	(119,639 53)	(31,802 91)	151,442 45	(946,320 58)
(28,274 01)	134,638 14	(228,479 57)	(60,735 08)	289,214 65	(118,222 00)	(31,426 10)	149,648 10	(935,108 25)
(27,934 99)	133,023 77	(225,740 01)	(60,006 84)	285,746 85	(116,804 47)	(31,049 29)	147,853 76	(923,895 92)
(27,595 98)	131,409 41	(223,000 44)	(59,278 60)	282,279 04	(115,386 94)	(30,672 48)	146,059 42	(912,683 59)
(27,256 96)	129,795 04	(220,260 88)	(58,550 36)	278,811 24	(113,969 41)	(30,295 67)	144,265 08	(901,471 26)
(26,917 94)	128,180 68	(217,521 32)	(57,822 12)	275,343 44	(112,551 88)	(29,918 85)	142,470 74	(890,258 94)
(26,578 92)	126,566 31	(214,781 76)	(57,093 88)	271,875 64	(111,134 35)	(29,542 04)	140,676 40	(879,046 61)
(26,239 91)	124,951 94	(212,042 19)	(56,365 65)	268,407 84	(109,716 82)	(29,165 23)	138,882 05	(867,834 28)
(25,900 89)	123,337 58	(209,302 63)	(55,637 41)	264,940 04	(108,299 29)	(28,788 42)	137,087 71	(856,621 95)
(25,561 87)	121,723 21	(206,563 07)	(54,909 17)	261,472 24	(106,881 76)	(28,411 61)	135,293 37	(845,409 62)
(25,222 86)	120,108 84	(203,823 50)	(54,180 93)	258,004 43	(105,464 23)	(28,034 80)	133,499 03	(834,197 29)
(24,883 84)	118,494 48	(201,083 94)	(53,452 69)	254,536 63	(104,046 70)	(27,657 98)	131,704 69	(822,984 96)
(24,544 82)	116,880 11	(198,344 38)	(52,724 45)	251,068 83	(102,629 17)	(27,281 17)	129,910 34	(811,772 63)
(24,205 81)	115,265 75	(195,604 81)	(51,996 22)	247,601 03	(101,211 64)	(26,904 36)	128,116 00	(800,560 30)
(23,866 79)	113,651 38	(192,865 25)	(51,267 98)	244,133 23	(99,794 11)	(26,527 55)	126,321 66	(789,347 97)
(23,527 77)	112,037 01	(190,125 69)	(50,539 74)	240,665 43	(98,376 58)	(26,150 74)	124,527 32	(778,135 64)
(23,188 76)	110,422 65	(187,386 12)	(49,811 50)	237,197 62	(96,959 05)	(25,773 93)	122,732 98	(766,923 31)
(22,849 74)	108,808 28	(184,646 56)	(49,083 26)	233,729 82	(95,541 52)	(25,397 11)	120,938 64	(755,710 99)
(22,510 72)	107,193 91	(181,907 00)	(48,355 02)	230,262 02	(94,123 99)	(25,020 30)	119,144 29	(744,498 66)
(22,171 71)	105,579 55	(179,167 43)	(47,626 79)	226,794 22	(92,706 46)	(24,643 49)	117,349 95	(733,286 33)
(21,832 69)	103,965 18	(176,427 87)	(46,898 55)	223,326 42	(91,288 93)	(24,266 68)	115,555 61	(722,074 00)
(21,493 67)	102,350 82	(173,688 31)	(46,170 31)	219,858 62	(89,871 40)	(23,889 87)	113,761 27	(710,861 67)
(21,154 65)	100,736 45	(170,948 74)	(45,442 07)	216,390 82	(88,453 87)	(23,513 05)	111,966 93	(699,649 34)
(20,815 64)	99,122 08	(168,209 18)	(44,713 83)	212,923 01	(87,036 34)	(23,136 24)	110,172 58	(688,437 01)
(20,476 62)	97,507 72	(165,469 62)	(43,985 59)	209,455 21	(85,618 81)	(22,759 43)	108,378 24	(677,224 68)
(20,137 60)	95,893 35	(162,730 05)	(43,257 36)	205,987 41	(84,201 28)	(22,382 62)	106,583 90	(666,012 35)
(19,798 59)	94,278 99	(159,990 49)	(42,529 12)	202,519 61	(82,783 75)	(22,005 81)	104,789 56	(654,800 02)
(19,459 57)	92,664 62	(157,250 93)	(41,800 88)	199,051 81	(81,366 22)	(21,629 00)	102,995 22	(643,587 69)
(19,120 55)	91,050 25	(154,511 36)	(41,072 64)	195,584 01	(79,948 69)	(21,252 18)	101,200 88	(632,375 36)
(18,781 54)	89,435 89	(151,771 80)	(40,344 40)	192,116 20	(78,531 16)	(20,875 37)	99,406 53	(621,163 04)
(18,442 52)	87,821 52	(149,032 24)	(39,616 16)	188,648 40	(77,113 63)	(20,498 56)	97,612 19	(609,950 71)
(18,103 50)	86,207 15	(146,292 68)	(38,887 93)	185,180 60	(75,696 10)	(20,121 75)	95,817 85	(598,738 38)
(17,764 49)	84,592 79	(143,553 11)	(38,159 69)	181,712 80	(74,278 57)	(19,744 94)	94,023 51	(587,526 05)
(17,425 47)	82,978 42	(140,813 55)	(37,431 45)	178,245 00	(72,861 04)	(19,368 13)	92,229 17	(576,313 72)
(17,086 45)	81,364 06	(138,073 99)	(36,703 21)	174,777 20	(71,443 51)	(18,991 31)	90,434 83	(565,101 39)
(16,747 43)	79,749 69	(135,334 42)	(35,974 97)	171,309 40	(70,025 98)	(18,614 50)	88,640 48	(553,889 06)
(16,408 42)	78,135 32	(132,594 86)	(35,246 73)	167,841 59	(68,608 45)	(18,237 69)	86,846 14	(542,676 73)
(16,069 40)	76,520 96	(129,855 30)	(34,518 50)	164,373 79	(67,190 92)	(17,860 88)	85,051 80	(531,464 40)
(15,730 38)	74,906 59	(127,115 73)	(33,790 26)	160,905 99	(65,773 39)	(17,484 07)	83,257 46	(520,252 07)
(15,391 37)	73,292 23	(124,376 17)	(33,062 02)	157,438 19	(64,355 86)	(17,107 25)	81,463 12	(509,039 74)
(15,052 35)	71,677 86	(121,636 61)	(32,333 78)	153,970 39	(62,938 33)	(16,730 44)	79,668 77	(497,827 41)
(14,713 33)	70,063 49	(118,897 04)	(31,605 54)	150,502 59	(61,520 80)	(16,353 63)	77,874 43	(486,615 09)
(14,374 32)	68,449 13	(116,157 48)	(30,877 30)	147,034 78	(60,103 27)	(15,976 82)	76,080 09	(475,402 76)
(14,035 30)	66,834 76	(113,417 92)	(30,149 07)	143,566 98	(58,685 74)	(15,600 01)	74,285 75	(464,190 43)
(13,696 28)	65,220 39	(110,678 35)	(29,420 83)	140,099 18	(57,268 21)	(15,223 20)	72,491 41	(452,978 10)
(13,357 27)	63,606 03	(107,938 79)	(28,692 59)	136,631 38	(55,850 68)	(14,846 38)	70,697 07	(441,765 77)
(13,018 25)	61,991 66	(105,199 23)	(27,964 35)	133,163 58	(54,433 15)	(14,469 57)	68,902 72	(430,553 44)
(12,679 23)	60,377 30	(102,459 66)	(27,236 11)	129,695 78	(53,015 62)	(14,092 76)	67,108 38	(419,341 11)
(12,340 22)	58,762 93	(99,720 10)	(26,507 87)	126,227 98	(51,598 09)	(13,715 95)	65,314 04	(408,128 78)
(12,001 20)	57,148 56	(96,980 54)	(25,779 64)	122,760 17	(50,180 56)	(13,339 14)	63,519 70	(396,916 45)
(11,662 18)	55,534 20	(94,240 97)	(25,051 40)	119,292 37	(48,763 03)	(12,962 32)	61,725 36	(385,704 12)
(11,323 16)	53,919 83	(91,501 41)	(24,323 16)	115,824 57	(47,345 50)	(12,585 51)	59,931 02	(374,491 79)
(10,984 15)	52,305 46	(88,761 85)	(23,594 92)	112,356 77	(45,927 97)	(12,208 70)	58,136 67	(363,279 46)
(10,645 13)	50,691 10	(86,022 28)	(22,866 68)	108,888 97	(44,510 44)	(11,831 89)	56,342 33	(352,067 14)
(10,306 11)	49,076 73	(83,282 72)	(22,138 44)	105,421 17	(43,092 91)	(11,455 08)	54,547 99	(340,854 81)
(9,967 10)	47,462 37	(80,543 16)	(21,410 21)	101,953 36	(41,675 38)	(11,078 27)	52,753 65	(329,642 48)
(9,628 08)	45,848 00	(77,803 60)	(20,681 97)	98,485 56	(40,257 85)	(10,701 45)	50,959 31	(318,430 15)
(9,289 06)	44,233 63	(75,064 03)	(19,953 73)	95,017 76	(38,840 32)	(10,324 64)	49,164 96	(307,217 82)
(8,950 05)	42,619 27	(72,324 47)	(19,225 49)	91,549 96	(37,422 79)	(9,947 83)	47,370 62	(296,005 49)
(8,611 03)	41,004 90	(69,584 91)	(18,497 25)	88,082 16	(36,005 26)	(9,571 02)	45,576 28	(284,793 16)
(8,272 01)	39,390 54	(66,845 34)	(17,769 02)	84,614 36	(34,587 73)	(9,194 21)	43,781 94	(273,580 83)
(7,933 00)	37,776 17	(64,105 78)	(17,040 78)	81,146 56	(33,170 20)	(8,817 40)	41,987 60	(262,368 50)
(7,593 98)	36,161 80	(61,366 22)	(16,312 54)	77,678 75	(31,752 67)	(8,440 58)	40,193 26	(251,156 17)
(7,254 96)	34,547 44	(58,626 65)	(15,584 30)	74,210 95	(30,335 14)	(8,063 77)	38,398 91	(239,943 84)
(6,915 94)	32,933 07	(55,887 09)	(14,856 06)	70,743 15	(28,917 61)	(7,686 96)	36,604 57	(228,731 51)
(6,576 93)	31,318 70	(53,147 53)	(14,127 82)	67,275 35	(27,500 08)	(7,310 15)	34,810 23	(217,519 19)
(6,237 91)	29,704 34	(50,407 96)	(13,399 59)	63,807 55	(26,082 55)	(6,933 34)	33,015 89	(206,306 86)
(5,898 89)	28,089 97	(47,668 40)	(12,671 35)	60,339 75	(24,665 02)	(6,556 52)	31,221 55	(195,094 53)
(5,559 88)	26,475 61	(44,928 84)	(11,943 11)	56,871 95	(23,247 49)	(6,179 71)	29,427 21	(183,882 20)
(5,220 86)	24,861 24	(42,189 27)	(11,214 87)	53,404 14	(21,829 96)	(5,802 90)	27,632 86	(172,669 87)
(4,881 84)	23,246 87	(39,449 71)	(10,486 63)	49,936 34	(20,412 43)	(5,426 09)	25,838 52	(161,457 54)
(4,542 83)	21,632 51	(36,710 15)	(9,758 39)	46,468 54	(18,994 90)	(5,049 28)	24,044 18	(150,245 21)
(4,203 81)	20,018 14	(33,970 58)	(9,030 16)	43,000 74	(17,577 37)	(4,672 47)	22,249 84	(139,032 88)

(3,864 79)	18,403 77	(31,231 02)	(8,301 92)	39,532 94	(16,159 84)	(4,295 65)	20,455 50	(127,820 55)
(3,525 78)	16,789 41	(28,491 46)	(7,573 68)	36,065 14	(14,742 31)	(3,918 84)	18,661 15	(116,608 22)
(3,186 76)	15,175 04	(25,751 89)	(6,845 44)	32,597 33	(13,324 78)	(3,542 03)	16,866 81	(105,395 89)
(2,847 74)	13,560 68	(23,012 33)	(6,117 20)	29,129 53	(11,907 25)	(3,165 22)	15,072 47	(94,183 56)
(2,508 73)	11,946 31	(20,272 77)	(5,388 96)	25,661 73	(10,489 72)	(2,788 41)	13,278 13	(82,971 24)
(2,169 71)	10,331 94	(17,533 20)	(4,660 73)	22,193 93	(9,072 19)	(2,411 60)	11,483 79	(71,758 91)
(1,830 69)	8,717 58	(14,793 64)	(3,932 49)	18,726 13	(7,654 66)	(2,034 78)	9,689 45	(60,546 58)
(1,491 67)	7,103 21	(12,054 08)	(3,204 25)	15,258 33	(6,237 13)	(1,657 97)	7,895 10	(49,334 25)
(1,152 66)	5,488 85	(9,314 51)	(2,476 01)	11,790 53	(4,819 60)	(1,281 16)	6,100 76	(38,121 92)
(813 64)	3,874 48	(6,574 95)	(1,747 77)	8,322 72	(3,402 07)	(904 35)	4,306 42	(26,909 59)
(474 62)	2,260 11	(3,835 39)	(1,019 53)	4,854 92	(1,984 54)	(527 54)	2,512 08	(15,697 26)
(135 61)	645 75	(1,095 83)	(291 30)	1,387 12	(567 01)	(150 72)	717 74	(4,484 93)
(0 00)	0 00	(0 00)	(0 00)	0 00	(0 00)	(0 00)	0 00	(0 00)

t / (Credit):

168		194		
Generation		Transmission		
2830015	4270006	2190015	2830015	4270006
(357,659 11)	-	(304,217 24)	(80,867 87)	-
(355,870 81)	1,694,622 91	(302,696 15)	(80,463 53)	383,159 69
(352,890 32)	1,680,430 09	(300,161 01)	(79,789 64)	379,950 65
(349,909 83)	1,666,237 27	(297,625 87)	(79,115 74)	376,741 60
(346,929 33)	1,652,044 45	(295,090 72)	(78,441 84)	373,532 56
(343,948 84)	1,637,851 63	(292,555 58)	(77,767 94)	370,323 52
(340,968 35)	1,623,658 81	(290,020 44)	(77,094 04)	367,114 48
(337,987 86)	1,609,465 98	(287,485 29)	(76,420 14)	363,905 43
(335,007 36)	1,595,273 16	(284,950 15)	(75,746 24)	360,696 39
(332,026 87)	1,581,080 34	(282,415 00)	(75,072 34)	357,487 35
(329,046 38)	1,566,887 52	(279,879 86)	(74,398 44)	354,278 31
(326,065 89)	1,552,694 70	(277,344 72)	(73,724 55)	351,069 26
(323,085 39)	1,538,501 87	(274,809 57)	(73,050 65)	347,860 22
(320,104 90)	1,524,309 05	(272,274 43)	(72,376 75)	344,651 18
(317,124 41)	1,510,116 23	(269,739 29)	(71,702 85)	341,442 13
(314,143 92)	1,495,923 41	(267,204 14)	(71,028 95)	338,233 09
(311,163 42)	1,481,730 59	(264,669 00)	(70,355 05)	335,024 05
(308,182 93)	1,467,537 77	(262,133 86)	(69,681 15)	331,815 01
(305,202 44)	1,453,344 94	(259,598 71)	(69,007 25)	328,605 96
(302,221 95)	1,439,152 12	(257,063 57)	(68,333 35)	325,396 92
(299,241 45)	1,424,959 30	(254,528 42)	(67,659 45)	322,187 88
(296,260 96)	1,410,766 48	(251,993 28)	(66,985 56)	318,978 84
(293,280 47)	1,396,573 66	(249,458 14)	(66,311 66)	315,769 79
(290,299 98)	1,382,380 84	(246,922 99)	(65,637 76)	312,560 75
(287,319 48)	1,368,188 01	(244,387 85)	(64,963 86)	309,351 71
(284,338 99)	1,353,995 19	(241,852 71)	(64,289 96)	306,142 67
(281,358 50)	1,339,802 37	(239,317 56)	(63,616 06)	302,933 62
(278,378 01)	1,325,609 55	(236,782 42)	(62,942 16)	299,724 58
(275,397 51)	1,311,416 73	(234,247 27)	(62,268 26)	296,515 54
(272,417 02)	1,297,223 91	(231,712 13)	(61,594 36)	293,306 50
(269,436 53)	1,283,031 08	(229,176 99)	(60,920 47)	290,097 45
(266,456 04)	1,268,838 26	(226,641 84)	(60,246 57)	286,888 41
(263,475 54)	1,254,645 44	(224,106 70)	(59,572 67)	283,679 37

CHECK	CHECK	CHECK
2190015	2830015	4270006
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(0 00)	0 00	0 00
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0 00	0 00	(0 00)
-	(0 00)	0 00
0 00	0 00	(0 00)

(260,495 05)	1,240,452 62	(221,571 56)	(58,898 77)	280,470 32	-	(0 00)	(0 00)	0 00
(257,514 56)	1,226,259 80	(219,036 41)	(58,224 87)	277,261 28	-	0 00	0 00	(0 00)
(254,534 06)	1,212,066 98	(216,501 27)	(57,550 97)	274,052 24	-	0 00	(0 00)	(0 00)
(251,553 57)	1,197,874 15	(213,966 13)	(56,877 07)	270,843 20	-	(0 00)	(0 00)	0 00
(248,573 08)	1,183,681 33	(211,430 98)	(56,203 17)	267,634 15	-	0 00	0 00	(0 00)
(245,592 59)	1,169,488 51	(208,895 84)	(55,529 27)	264,425 11	-	(0 00)	(0 00)	0 00
(242,612 09)	1,155,295 69	(206,360 69)	(54,855 37)	261,216 07	-	0 00	(0 00)	0 00
(239,631 60)	1,141,102 87	(203,825 55)	(54,181 48)	258,007 03	-	0 00	0 00	(0 00)
(236,651 11)	1,126,910 04	(201,290 41)	(53,507 58)	254,797 98	-	(0 00)	(0 00)	0 00
(233,670 62)	1,112,717 22	(198,755 26)	(52,833 68)	251,588 94	-	0 00	(0 00)	(0 00)
(230,690 12)	1,098,524 40	(196,220 12)	(52,159 78)	248,379 90	-	0 00	0 00	(0 00)
(227,709 63)	1,084,331 58	(193,684 98)	(51,485 88)	245,170 86	-	0 00	(0 00)	(0 00)
(224,729 14)	1,070,138 76	(191,149 83)	(50,811 98)	241,961 81	-	0 00	0 00	(0 00)
(221,748 65)	1,055,945 94	(188,614 69)	(50,138 08)	238,752 77	-	(0 00)	0 00	0 00
(218,768 15)	1,041,753 11	(186,079 55)	(49,464 18)	235,543 73	-	0 00	(0 00)	0 00
(215,787 66)	1,027,560 29	(183,544 40)	(48,790 28)	232,334 69	-	0 00	0 00	(0 00)
(212,807 17)	1,013,367 47	(181,009 26)	(48,116 39)	229,125 64	-	0 00	(0 00)	(0 00)
(209,826 68)	999,174 65	(178,474 11)	(47,442 49)	225,916 60	-	(0 00)	(0 00)	0 00
(206,846 18)	984,981 83	(175,938 97)	(46,768 59)	222,707 56	-	(0 00)	0 00	0 00
(203,865 69)	970,789 01	(173,403 83)	(46,094 69)	219,498 52	-	0 00	(0 00)	(0 00)
(200,885 20)	956,596 18	(170,868 68)	(45,420 79)	216,289 47	-	0 00	(0 00)	(0 00)
(197,904 71)	942,403 36	(168,333 54)	(44,746 89)	213,080 43	-	0 00	0 00	(0 00)
(194,924 21)	928,210 54	(165,798 40)	(44,072 99)	209,871 39	-	0 00	(0 00)	(0 00)
(191,943 72)	914,017 72	(163,263 25)	(43,399 09)	206,662 34	-	(0 00)	(0 00)	0 00
(188,963 23)	899,824 90	(160,728 11)	(42,725 19)	203,453 30	-	0 00	0 00	(0 00)
(185,982 74)	885,632 08	(158,192 96)	(42,051 29)	200,244 26	-	0 00	(0 00)	0 00
(183,002 24)	871,439 25	(155,657 82)	(41,377 40)	197,035 22	-	0 00	0 00	(0 00)
(180,021 75)	857,246 43	(153,122 68)	(40,703 50)	193,826 17	-	0 00	(0 00)	(0 00)
(177,041 26)	843,053 61	(150,587 53)	(40,029 60)	190,617 13	-	0 00	(0 00)	(0 00)
(174,060 77)	828,860 79	(148,052 39)	(39,355 70)	187,408 09	-	(0 00)	0 00	0 00
(171,080 27)	814,667 97	(145,517 25)	(38,681 80)	184,199 05	-	0 00	(0 00)	(0 00)
(168,099 78)	800,475 15	(142,982 10)	(38,007 90)	180,990 00	-	0 00	(0 00)	(0 00)
(165,119 29)	786,282 32	(140,446 96)	(37,334 00)	177,780 96	-	0 00	0 00	(0 00)
(162,138 80)	772,089 50	(137,911 82)	(36,660 10)	174,571 92	-	(0 00)	(0 00)	0 00
(159,158 30)	757,896 68	(135,376 67)	(35,986 20)	171,362 88	-	0 00	(0 00)	(0 00)
(156,177 81)	743,703 86	(132,841 53)	(35,312 30)	168,153 83	-	0 00	0 00	(0 00)
(153,197 32)	729,511 04	(130,306 38)	(34,638 41)	164,944 79	-	0 00	(0 00)	0 00
(150,216 83)	715,318 21	(127,771 24)	(33,964 51)	161,735 75	-	(0 00)	0 00	0 00
(147,236 33)	701,125 39	(125,236 10)	(33,290 61)	158,526 71	-	0 00	(0 00)	(0 00)
(144,255 84)	686,932 57	(122,700 95)	(32,616 71)	155,317 66	-	0 00	(0 00)	(0 00)
(141,275 35)	672,739 75	(120,165 81)	(31,942 81)	152,108 62	-	0 00	0 00	(0 00)
(138,294 85)	658,546 93	(117,630 67)	(31,268 91)	148,899 58	-	0 00	0 00	(0 00)
(135,314 36)	644,354 11	(115,095 52)	(30,595 01)	145,690 53	-	(0 00)	(0 00)	0 00
(132,333 87)	630,161 28	(112,560 38)	(29,921 11)	142,481 49	-	(0 00)	(0 00)	0 00
(129,353 38)	615,968 46	(110,025 24)	(29,247 21)	139,272 45	-	(0 00)	0 00	(0 00)
(126,372 88)	601,775 64	(107,490 09)	(28,573 32)	136,063 41	-	0 00	0 00	(0 00)
(123,392 39)	587,582 82	(104,954 95)	(27,899 42)	132,854 36	-	0 00	(0 00)	(0 00)
(120,411 90)	573,390 00	(102,419 80)	(27,225 52)	129,645 32	-	(0 00)	0 00	0 00
(117,431 41)	559,197 18	(99,884 66)	(26,551 62)	126,436 28	-	0 00	0 00	(0 00)
(114,450 91)	545,004 35	(97,349 52)	(25,877 72)	123,227 24	-	(0 00)	0 00	0 00
(111,470 42)	530,811 53	(94,814 37)	(25,203 82)	120,018 19	-	0 00	(0 00)	(0 00)
(108,489 93)	516,618 71	(92,279 23)	(24,529 92)	116,809 15	-	0 00	0 00	(0 00)
(105,509 44)	502,425 89	(89,744 09)	(23,856 02)	113,600 11	-	(0 00)	0 00	0 00
(102,528 94)	488,233 07	(87,208 94)	(23,182 12)	110,391 07	-	0 00	(0 00)	(0 00)
(99,548 45)	474,040 25	(84,673 80)	(22,508 22)	107,182 02	-	0 00	0 00	(0 00)
(96,567 96)	459,847 42	(82,138 65)	(21,834 33)	103,972 98	-	(0 00)	0 00	0 00
(93,587 47)	445,654 60	(79,603 51)	(21,160 43)	100,763 94	-	0 00	0 00	(0 00)
(90,606 97)	431,461 78	(77,068 37)	(20,486 53)	97,554 90	-	(0 00)	(0 00)	0 00
(87,626 48)	417,268 96	(74,533 22)	(19,812 63)	94,345 85	-	0 00	0 00	(0 00)
(84,645 99)	403,076 14	(71,998 08)	(19,138 73)	91,136 81	-	0 00	0 00	(0 00)
(81,665 50)	388,883 32	(69,462 94)	(18,464 83)	87,927 77	-	(0 00)	(0 00)	0 00
(78,685 00)	374,690 49	(66,927 79)	(17,790 93)	84,718 73	-	0 00	0 00	(0 00)
(75,704 51)	360,497 67	(64,392 65)	(17,117 03)	81,509 68	-	(0 00)	0 00	0 00
(72,724 02)	346,304 85	(61,857 51)	(16,443 13)	78,300 64	-	0 00	(0 00)	(0 00)
(69,743 53)	332,112 03	(59,322 36)	(15,769 24)	75,091 60	-	0 00	(0 00)	(0 00)
(66,763 03)	317,919 21	(56,787 22)	(15,095 34)	71,882 55	-	(0 00)	0 00	0 00
(63,782 54)	303,726 38	(54,252 07)	(14,421 44)	68,673 51	-	0 00	(0 00)	(0 00)
(60,802 05)	289,533 56	(51,716 93)	(13,747 54)	65,464 47	-	0 00	0 00	(0 00)
(57,821 56)	275,340 74	(49,181 79)	(13,073 64)	62,255 43	-	0 00	0 00	(0 00)
(54,841 06)	261,147 92	(46,646 64)	(12,399 74)	59,046 38	-	-	(0 00)	0 00
(51,860 57)	246,955 10	(44,111 50)	(11,725 84)	55,837 34	-	0 00	0 00	(0 00)
(48,880 08)	232,762 28	(41,576 36)	(11,051 94)	52,628 30	-	(0 00)	(0 00)	0 00
(45,899 59)	218,569 45	(39,041 21)	(10,378 04)	49,419 26	-	(0 00)	0 00	(0 00)
(42,919 09)	204,376 63	(36,506 07)	(9,704 14)	46,210 21	-	-	0 00	(0 00)
(39,938 60)	190,183 81	(33,970 93)	(9,030 25)	43,001 17	-	0 00	(0 00)	-
(36,958 11)	175,990 99	(31,435 78)	(8,356 35)	39,792 13	-	-	0 00	(0 00)

(33,977 62)	161,798 17	(28,900 64)	(7,682 45)	36,583 09	-	0 00	(0 00)	(0 00)
(30,997 12)	147,605 35	(26,365 49)	(7,008 55)	33,374 04	-	(0 00)	(0 00)	0 00
(28,016 63)	133,412 52	(23,830 35)	(6,334 65)	30,165 00	-	0 00	(0 00)	-
(25,036 14)	119,219 70	(21,295 21)	(5,660 75)	26,955 96	-	0 00	(0 00)	(0 00)
(22,055 64)	105,026 88	(18,760 06)	(4,986 85)	23,746 92	-	(0 00)	0 00	0 00
(19,075 15)	90,834 06	(16,224 92)	(4,312 95)	20,537 87	-	-	0 00	(0 00)
(16,094 66)	76,641 24	(13,689 78)	(3,639 05)	17,328 83	-	0 00	(0 00)	(0 00)
(13,114 17)	62,448 42	(11,154 63)	(2,965 16)	14,119 79	-	(0 00)	0 00	-
(10,133 67)	48,255 59	(8,619 49)	(2,291 26)	10,910 74	-	0 00	(0 00)	-
(7,153 18)	34,062 77	(6,084 34)	(1,617 36)	7,701 70	-	(0 00)	-	-
(4,172 69)	19,869 95	(3,549 20)	(943 46)	4,492 66	-	-	-	(0 00)
(1,192 20)	5,677 13	(1,014 06)	(269 56)	1,283 62	-	-	-	-
(0 00)	0 00	(0 00)	(0 00)	0 00	-	(0 00)	-	-

**SWEPCo Settled Swaps - Feb. 2012****For the 10-year Debt Issuance in Feb. 2012 3.55% Senior Notes, Series I, due 2022****Settlement Values**

		Amount
UBS	\$	(5,992,616 00)
JP Morgan	\$	(2,410,115 00)
RBS	\$	(7,074,090 00)
Barclays	\$	(7,294,268 00)
<b>Loss</b>	<b>\$</b>	<b>(22,771,089 00)</b>

Total amount to OCI and Deferred Tax for am	(22,771,089 00)	<b>Loss</b>	
Amount recognized in Q3 for missing forecast	644,557 45	418,962 34	
<b>Loss to Amtz</b>	(22,126,531 55)		(14,382,245 51)

**Initial Reclassify entry:**

**Credit account 1810002 on BU 161 only. Then allocate the debits to accts. 190 & 219 based on Swepco bu allocations**

		DR	CR
	Unamortized Debt Expense - Installment		
1810002	Purchase Contracts		\$ 22,771,089 00
1900015	Deferred Tax Asset - CF - IR	\$ 7,969,881 15	
2190015	Accumulated OCI - CF - IR	\$ 14,801,207 85	

To reclassify the payments to the appropriate AOCI and Deferred Tax accounts because all the payments on the wire transfer forms were coded to 1810002

**Monthly Entry for Sep 2012 through Dec '21**

		DR	CR
4270006	Interest Expense on LTD - Senior Unsec Debt	184,387 77	
1900015	Deferred Tax Asset - CF - IR		64,535 72
2190015	Accumulated OCI - CF - IR		119,852 05

Monthly amortization of the out-of-the-money value for the SWEPCO 10-year interest rate swaps associated with the Feb '12 issuance of \$275 million 10-year debt Semi-annual interest payments due on Feb and August 15th

**Monthly Entry for Jan '22**

		DR	CR
4270006	Interest Expense on LTD - Senior Unsec Debt	184,388 11	
1900015	Deferred Tax Asset - CF - IR		64,536 55
2190015	Accumulated OCI - CF - IR		119,851 56

Monthly amortization of the out-of-the-money value for the SWEPCO 10-year interest rate swaps associated with the Feb '12 issuance of \$275 million 10-year debt Semi-annual interest payments due on Feb and August 15th

WP G-7.13 - CONSOLIDATED TAX RETURN (Highly Sensitive information)

The information responsive to this request is HIGHLY SENSITIVE under the terms of the Protective Order. The Highly Sensitive information is available for review at the Austin offices of American Electric Power Company (AEP), 400 West 15<sup>th</sup> Street, Suite 1520, Austin, Texas, 78701, (512) 481-4562, during normal business hours.

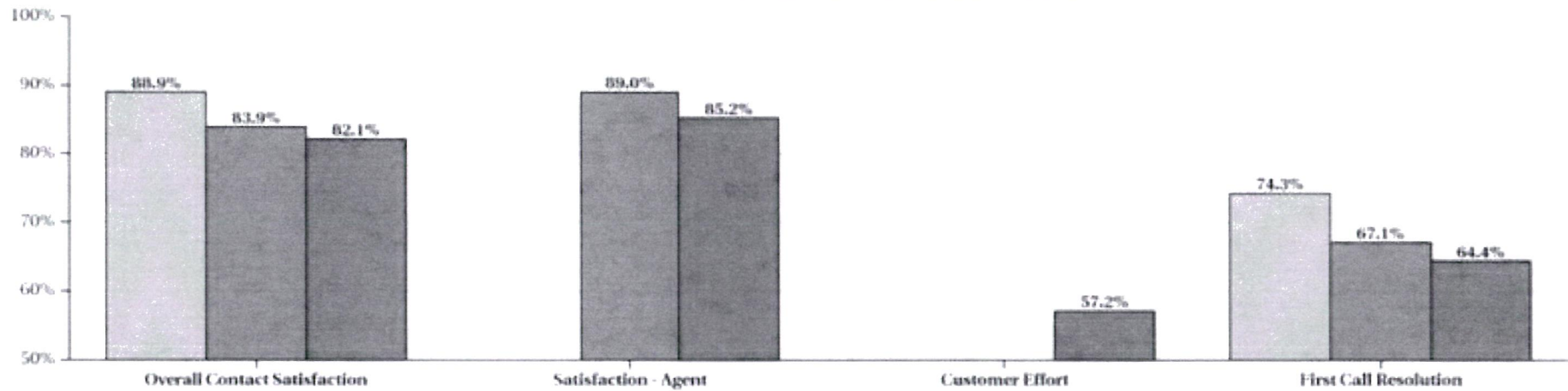


# Contact Study

 2017 Year-End
  2018 Year-End
  2019 YTD

 All AEP  
 Individual OPCO View  
 Individual COC (Customer Operations Center) View

## SWEPCO - Customer Calls



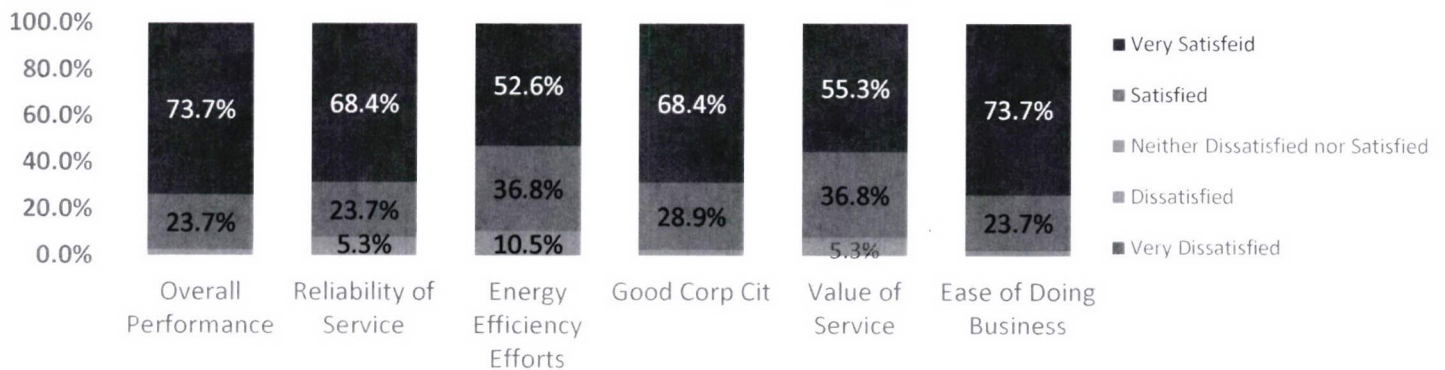
## Spring 2019 Managed Account Survey Results

Satisfaction with <u>Utility</u> (% Satisfied and Very Satisfied)	
Overall Performance	97.4%
Reliability of Service	92.1%
Efforts to Increase Energy Efficiency	89.5%
Good Corporate Citizen	97.4%
Value of Service	92.1%
Ease of Doing Business	97.4%

Satisfaction with <u>Account Manager</u> (% Satisfied and Very Satisfied)	
Overall Performance	100.0%
Easy to Get in Touch With	100.0%
Treats as a Valued Partner	100.0%
Provides Solutions to Meet Needs	100.0%
Communicates Topics Important to Me	100.0%

Overall Performance % Sat & Very Sat.	W1 2017	W2 2017	Total 2017	W1 2018	W2 2018	Total 2018	W1 2019	W2 2019	Total 2019
Utility	94%	88%	93%	94%	82%	93%	97%		97%
Account Manager	98%	100%	98%	100%	100%	100%	100%		100%
# of Responses	124	17	141	89	11	100	38		38

### Satisfaction with Utility



### Satisfaction with Account Manager



## Spring 2019 Managed Account Survey Results

### Utility

- Q1 Overall Performance
- Q2 Reliability of Service
- Q3 Efforts to Increase Energy Efficiency
- Q4 Good Corp Citizen
- Q5 Value of Service
- Q6 Ease of Doing Business

### Account Manager

- Q7 Overall Performance
- Q8 Easy to Get in Touch
- Q9 Treats as a Valued Partner
- Q10 Provides Solutions to Meet Needs
- Q11 Communicates Topics Important to Me

	Utility						Account Manager				
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
<b>SWEPCO, 38</b>	97.4%	92.1%	89.5%	97.4%	92.1%	97.4%	100.0%	100.0%	100.0%	100.0%	100.0%
Carolyn Hampton, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Charles Easterling, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dale Colvin, 11	90.9%	81.8%	100.0%	100.0%	90.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Joey Lawrence, 3	100.0%	100.0%	66.7%	100.0%	66.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Karen Sibert, 5	100.0%	100.0%	80.0%	80.0%	80.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Keith McFarland, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Mark Mobley, 7	100.0%	85.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Mark Stump, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Nancy Guisinger, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Ray Fenton, 3	100.0%	100.0%	66.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Tom Patty, 4	100.0%	100.0%	75.0%	100.0%	100.0%	75.0%	100.0%	100.0%	100.0%	100.0%	100.0%

### What customers are saying....

*Our account manager has provided everything that was asked of him. He does a great job.*

*Your team is always available when I call and when I need assistance you are easy to get setup. The recent total plant outage went very well and your operators were willing to make sure we could lock the fuses out to provide as much of a preventive measure to keep the power from being turned back on without my team allowing it.*

*Tariff analysis helps keep costs down.*

*Continue providing ways to cut energy cost. Annual charts showing energy cost to previous year and the relationship of total cost, consumption and other factors related to our bills which may highlight problem areas.*

*Continue to provide Training Classes that are beneficial to their customers in our local area. Also, assist in 'Micro-Grid' & other Information on new technologies in the Electrical industry.*



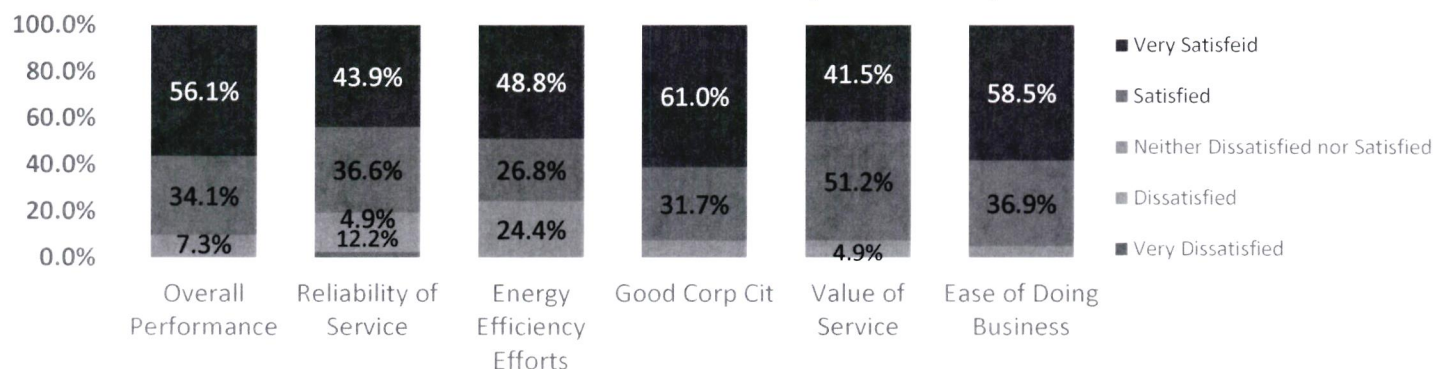
# Annual 2019 Managed Account Survey Results

Satisfaction with <u>Utility</u> (% Satisfied and Very Satisfied)	Fall Only
Overall Performance	90.2%
Reliability of Service	80.5%
Efforts to Increase Energy Efficiency	75.6%
Good Corporate Citizen	92.7%
Value of Service	92.7%
Ease of Doing Business	95.1%

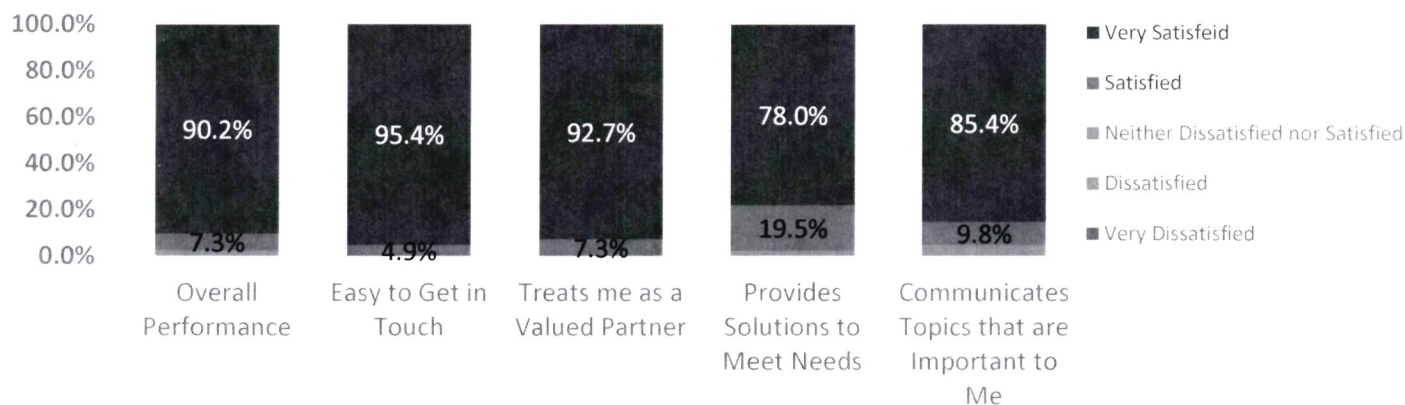
Satisfaction with <u>Account Manager</u> (% Satisfied and Very Satisfied)	Fall Only
Overall Performance	97.6%
Easy to Get in Touch With	100.0%
Treats as a Valued Partner	100.0%
Provides Solutions to Meet Needs	97.6%
Communicates Topics Important to Me	95.1%

Overall Performance % Sat & Very Sat.	W1 2017	W2 2017	Total 2017	W1 2018	W2 2018	Total 2018	W1 2019	W2 2019	Total 2019
Utility	94%	88%	93%	94%	82%	93%	97%	90%	94%
Account Manager	98%	100%	98%	100%	100%	100%	100%	97%	99%
# of Responses	124	17	141	89	11	100	38	41	79

## Satisfaction with Utility – Fall Only



## Satisfaction with Account Manager – Fall Only



# Annual 2019 Managed Account Survey Results

## Utility

- Q1 Overall Performance
- Q2 Reliability of Service
- Q3 Efforts to Increase Energy Efficiency
- Q4 Good Corp Citizen
- Q5 Value of Service
- Q6 Ease of Doing Business

## Account Manager

- Q7 Overall Performance
- Q8 Easy to Get In Touch
- Q9 Treats as a Valued Partner
- Q10 Provides Solutions to Meet Needs
- Q11 Communicates Topics Important to Me

	Utility						Account Manager				
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
<b>SWEPCO, 79</b>	93.7%	86.1%	50.6%	64.6%	92.4%	96.2%	98.7%	100.0%	100.0%	98.7%	97.5%
Carolyn Hampton, 2	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Charles Easterling, 1	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Dale Colvin, 20	95.0%	85.0%	55.0%	80.0%	95.0%	95.0%	100.0%	100.0%	100.0%	100.0%	95.0%
Joey Lawrence, 6	83.3%	50.0%	33.3%	33.3%	66.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Karen Sibert, 7	100.0%	100.0%	85.7%	85.7%	85.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Keith McFarland, 3	100.0%	100.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Mark Mobley, 10	100.0%	90.0%	40.0%	60.0%	90.0%	90.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Mark Stump, 2	100.0%	100.0%	50.0%	50.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Michael Tyler, 10	80.0%	90.0%	40.0%	60.0%	90.0%	100.0%	90.0%	100.0%	100.0%	90.0%	90.0%
Nancy Guisinger, 1	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Ray Fenton, 5	100.0%	60.0%	40.0%	20.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Stephen Brocato, 1	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Tom Patty, 11	100.0%	100.0%	63.6%	81.8%	100.0%	90.9%	100.0%	100.0%	100.0%	100.0%	100.0%

## What customers are saying....

*More aggressive tree trimming efforts and a plan to get our critical facilities back up after power outages.*

*The lunch and learns have been a nice addition to your services. Informative and nice to see and hear what other facilities are doing best practice, energy savings, etc.*

*Ability to pull consolidated statements online or have them emailed.*

*No suggestions other than stay on top as the industry leader.*

*We have started converting our lighting to LED, and just completed the first phase of the project. The LEDs look great and the cost reduction.*